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NEWS	2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS	3	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS	4	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS	5	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS	6	Mar 08	Gene Names now available in BIOSIS
NEWS	7	Mar 22	TOXLIT no longer available
NEWS	8	Mar 22	TRCTHERMO no longer available
NEWS	9	Mar 28	US Provisional Priorities searched with P in CA/CAPLUS and USPATFULL
NEWS	10	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
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NEWS	12	Apr 08	"Ask CAS" for self-help around the clock
NEWS	13	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	14	Apr 09	ZDB will be removed from STN
NEWS	15	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	16	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	17	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	18	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	19	Jun 03	New e-mail delivery for search results now available
NEWS	20	Jun 10	MEDLINE Reload
NEWS	21	Jun 10	PCTFULL has been reloaded
NEWS EXPRESS			February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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=> s lucerne and plant

L1 2856 LUCERNE AND PLANT

=> s l1 and PR(w)protein

L2 0 L1 AND PR(W) PROTEIN

=> s l1 and protein

L3 440 L1 AND PROTEIN

=> s l3 and induced

L4 17 L3 AND INDUCED

=> s l4 and ind

L5 0 L4 AND IND

=> s l4 and vst

L6 0 L4 AND VST

=> s l4 and stilbene

L7 0 L4 AND STILBENE

=> d l4 1-17 au ti

L4 ANSWER 1 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU El Aissami, A.; Brhada, F.; Lahlou, H.

TI Effect of gradual adaptation to ***lucerne*** of an isolate of
Verticillium dahliae (originating from tomato) on the in vitro synthesis
of pectocellulolytic enzymes.

L4 ANSWER 2 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU Niezen, J. H. (1); Waghorn, T. S. (1); Charleston, W. A. G.; Waghorn, G.

C.

TI Growth and gastrointestinal nematode parasitism in lambs grazing either
 lucerne (Medicago sativa) or sulla (Hedysarum coronarium) which
 contains condensed tannins.

L4 ANSWER 3 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU Jiang, Y.; Miles, P. W.

TI Responses of a compatible ***lucerne*** variety to attack by spotted
 alfalfa aphid: Changes in the redox balance in affected tissues.

L4 ANSWER 4 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU KIM T H; OURRY A; BOUCAUD J; LEMAIRE G

TI CHANGES IN SOURCE-SINK RELATIONSHIP FOR NITROGEN DURING REGROWTH OF
 LUCERNE MEDICAGO-SATIVA L. FOLLOWING REMOVAL OF SHOOTS.

L4 ANSWER 5 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU BECANA M; APARICIO-TEJO P; SANCHEZ-DIAZ M

TI NITRATE AND HYDROGEN PEROXIDE METABOLISM IN MEDICAGO-SATIVA NODULES AND
 POSSIBLE EFFECT ON LEGHEMOGLOBIN FUNCTION.

L4 ANSWER 6 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU MURRAY F

TI CHANGES IN GROWTH AND QUALITY CHARACTERISTICS OF ***LUCERNE***
 MEDICAGO-SATIVA IN RESPONSE TO SULFUR DIOXIDE EXPOSURE UNDER FIELD
 CONDITIONS.

L4 ANSWER 7 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU PALIWAL Y C

TI INTERACTION OF THE VIROID-LIKE RNA-2 OF ***LUCERNE*** TRANSIENT STREAK
 VIRUS WITH SOUTHERN BEAN MOSAIC VIRUS.

L4 ANSWER 8 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU JONES A T; MAYO M A; DUNCAN G H

TI SATELLITE-LIKE PROPERTIES OF SMALL CIRCULAR RNA MOLECULES IN PARTICLES OF
 LUCERNE TRANSIENT STREAK VIRUS.

L4 ANSWER 9 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU JONES A T; FORSTER R L S; MOHAMED N A

TI PURIFICATION AND PROPERTIES OF AUSTRALIAN ***LUCERNE*** LATENT VIRUS A
 SEED-BORNE VIRUS HAVING AFFINITIES WITH NEPOVIRUSES.

L4 ANSWER 10 OF 17 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AU Murray F.

TI Changes in growth and quality characteristics of ***lucerne***
 (Medicago sativa L.) in response to sulphur dioxide exposure under field
 conditions.

L4 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2002 ACS

AU Kim, Tae Hwan; Ourry, Alain; Boucaud, Jean; Lemaire, Gilles

TI Changes in source-sink relationship for nitrogen during regrowth of
 lucerne (Medicago sativa L.) following removal of shoots

L4 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2002 ACS

AU Becana, M.; Aparicio-Tejo, P.; Sanchez-Diaz, M.

TI Nitrate and hydrogen peroxide metabolism in Medicago sativa nodules and
 possible effect on leghemoglobin function

L4 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2002 ACS
 AU Paliwal, Y. C.
 TI Interaction of the viroid-like RNA-2 of ***lucerne*** transient streak virus with southern bean mosaic virus

L4 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2002 ACS
 AU Jones, A. T.; Mayo, M. A.; Duncan, G. H.
 TI Satellite-like properties of small circular RNA molecules in particles of ***lucerne*** transient streak virus

L4 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2002 ACS
 AU Palfi, G.; Koves, Erzsebet; Bito, Maria; Sebestyen, Rita
 TI Role of amino acids during water stress in species accumulating proline

L4 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2002 ACS
 AU Whitney, P. J.; Heale, J. B.; Vaughan, J. G.
 TI ***Protein*** changes in the vascular wilt disease of ***lucerne*** caused by Verticillium albo-atrum

L4 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2002 ACS
 AU Heale, J. B.; Gupta, D. P.
 TI Mechanism of vascular wilting ***induced*** by Verticillium albo-atrum

=> s l1 and promoter

L8 7 L1 AND PROMOTER

=> d 18 1-7

L8 ANSWER 1 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1992:43908 BIOSIS
 DN BA93:23883
 TI EXPRESSION OF A CHICKEN OVALBUMIN GENE IN THREE ***LUCERNE*** CULTIVARS.
 AU SCHROEDER H E; KHAN M R I; KNIBB W R; SPENCER D; HIGGINS T J
 CS DIV. PLANT INDUSTRY, CSIRO, GPO BOX 1600, CANBERRA, ACT 2601, AUST.
 SO AUST J PLANT PHYSIOL, (1991) 18 (5), 495-506.
 CODEN: AJPPCH. ISSN: 0310-7841.
 FS BA; OLD
 LA English

L8 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:347994 CAPLUS
 DN 136:320797
 TI Method of presowing treatment of licorice (Glycyrrhiza glabra) seeds with hydrochloric acid and legume seed decoction
 IN Kruzhilin, I. P.; Galda, A. V.; Saldaev, A. M.
 PA Vserossiyskii Nauchno-Issledovatel'skii Institut Oroshaemogo Zemledeliya, Russia
 SO Russ., No pp. given
 CODEN: RUXXE7
 DT Patent
 LA Russian
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	RU 2164733	C1	20010410	RU 1999-122047	19991020

L8 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:137388 CAPLUS
 DN 134:189018
 TI Unpolyadenylated RNA-mediated post-transcriptional gene silencing using self-splicing ribozyme
 IN Wang, Ming-Bo; Waterhouse, Peter
 PA Commonwealth Scientific and Industrial Research Organisation, Australia
 SO PCT Int. Appl., 66 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001012824	A1	20010222	WO 2000-IB1133	20000814
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1208211	A1	20020529	EP 2000-953352	20000814
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRAI	US 1999-373720	A	19990813		
	WO 2000-IB1133	W	20000814		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:424337 CAPLUS
 DN 129:77580
 TI Cloning and expression of mammalian recombinant type I collagen and derived proteins in transgenic and transformed ***plants*** and industrial uses
 IN Gruber, Veronique; Exposito, Jean-Yves; Ruggiero, Florence; Comte, Jeanne; Garrone, Robert; Merot, Bertrand; Bournat, Philippe
 PA Biocem S.A., Fr.; Gruber, Veronique; Exposito, Jean-Yves; Ruggiero, Florence; Comte, Jeanne; Garrone, Robert; Merot, Bertrand; Bournat, Philippe
 SO PCT Int. Appl., 140 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9827202	A1	19980625	WO 1997-FR2331	19971217
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
 FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
 GA, GN, ML, MR, NE, SN, TD, TG
 FR 2757874 A1 19980703 FR 1996-16224 19961217
 AU 9855637 A1 19980715 AU 1998-55637 19971217
 EP 951537 A1 19991027 EP 1997-952089 19971217
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 JP 2001507573 T2 20010612 JP 1998-527408 19971217
 PRAI FR 1996-16224 A 19961217
 WO 1997-FR2331 W 19971217

L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2002 ACS

AN 1992:486840 CAPLUS

DN 117:86840

TI Vicilin with carboxy-terminal KDEL is retained in the endoplasmic
 reticulum and accumulates to high levels in the leaves of transgenic
 plants

AU Wandelt, Christine I.; Khan, M. Rafiqul I.; Craig, Stuart; Schroeder,
 Harmut E.; Spencer, Donald; Higgins, Thomas J. V.

CS Div. Plant Ind., CSIRO, Canberra, 2601, Australia

SO Plant J. (1992), 2(2), 181-92

CODEN: PLJUED

DT Journal

LA English

L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2002 ACS

AN 1992:145032 CAPLUS

DN 116:145032

TI Expression of a chicken ovalbumin gene in three ***lucerne***
 cultivars

AU Schroeder, Hartmut E.; Khan, M. Rafiqul I.; Knibb, Wayne R.; Spencer,
 Donald; Higgins, Thomas J. V.

CS Div. Plant Ind., CSIRO, Canberra, 2601, Australia

SO Aust. J. Plant Physiol. (1991), 18(5), 495-505

CODEN: AJPPCH; ISSN: 0310-7841

DT Journal

LA English

L8 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2002 ACS

AN 1967:481402 CAPLUS

DN 67:81402

TI Nonhormone ***plant*** -growth ***promoters***

PA Midwest Research Institute

SO Neth. Appl., 11 pp.

CODEN: NAXXAN

DT Patent

LA Dutch

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	NL 6510662		19670214	NL	19650813

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L8 ANSWER 1 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AB Routine procedures have been developed for the transformation of
lucerne (Medicago sativa cv. Rangelander) with foreign genes
using

the Agrobacterium tumefaciens binary vector system and for the
regeneration of transgenic ***plants*** from tissue culture, via
somatic embryogenesis. ***Lucerne*** transformation was carried out
with a gene encoding neomycin phosphotransferase (npt), which conferred
resistance to the antibiotic kanamycin, together with a cDNA clone
encoding chicken ovalbumin which was modified for expression in
plant cells. The ovalbumin cDNA protein coding sequence was
combined with the cauliflower mosaic virus 35S ***promoter*** and the
nopaline synthase 3' flanking sequence to make a chimeric ovalbumin gene.
A DNA construct containing both these genes was transferred to
lucerne, and ovalbumin was detected in leaves of regenerated
plants using protein immunoblots. Pulse-chase labelling
experiments and analysis of leaves from the top to bottom of the
transformed ***plants*** indicated that ovalbumin, once formed, was
stable in the leaves of transgenic ***lucerne***. A wide variation in
ovalbumin level was frequently observed in ***plants*** regenerated
from multiple embryos on a single transformed callus. This variation
correlated with changes in the restriction enzyme digestion pattern of the
ovalbumin DNA from the transgenic ***plants***. These results indicate
that each transformed callus may have arisen from more than one
transformation event. An alternative interpretation is that the callus
may have arisen from a single transformed cell during cell proliferation
the DNA in some cells may have undergone rearrangement prior to
embryogenesis. Transformation and regeneration procedures were also
developed for two Australian commercial cultivars of ***lucerne***.
Although the frequency of recovery of transformed ***plants*** was
lower than with cv. Rangelander, these protocols open the way for a
relatively rapid introduction of useful genes into current elite
lucerne lines.

L8 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2002 ACS

AB Hardened licorice seeds after gaging by size (diam.) are triple treated
with of liqs. consisting of treating licorice seeds with concd.
hydrochloric acid for 8-15 min, washing seeds with running water for half
an hour, and placing seeds for 8-6 h at the temp. of 20-30 .degree.C in a
soln. of a growth ***promoter***, such as a decoction of seeds of
legume crops (***lucerne*** and/or clover), with the concn. of 100-200
g of seeds per 1L of boiled water. The method is used for creating

long-time licorice plantations on structureless and unproductive irrigated lands.

L8 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2002 ACS

AB Methods and means are provided for reducing expression of a nucleic acid of interest, thereby altering the phenotype of an organism, particularly a ***plant***, by providing aberrant, preferably unpolyadenylated, target specific RNA to the nucleus of the host cell. Preferably, the unpolyadenylated, target-specific RNA is provided by expression of a chimeric DNA construct comprising a ***promoter***, a DNA region encoding the target specific RNA, a self-splicing ribozyme and a DNA region involved in 3' end formation and polyadenylation.

L8 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2002 ACS

AB The invention concerns the use of a recombinant nucleotide sequence contg. a cDNA coding for one or several mammal collagen chains or derived proteins and elements enabling a ***plant*** cell to produce the collagen chain(s) or derived proteins, coded by said cDNA, particularly a transcription ***promoter*** and terminator identified by the transcription machinery of the ***plant*** cells, for transforming the ***plant*** cells so as to obtain from these cells, or ***plants*** obtained from them, the collagen chain(s) or derived proteins. The invention also concerns the resulting proteins and transformed ***plant*** material as well as their uses. Thus, cDNA sequences for collagen type I .alpha.1 chain were isolated, cloned on expression vectors, and expressed in ***plant*** cells. Other mammalian proteins can be cloned on plasmid vectors, and expressed in transformed ***plant*** cells. Agrobacterium tumefaciens-mediated transformation

of

plant cells is also effective. Suitable ***plant*** hosts include rapeseed, tobacco, corn, pea ***plant***, tomato, carrot, rye, potato, barley, rice, soybean, sunflower, lettuce, ***lucerne***, and beet. The transformed ***plant***, ***plant*** exts., or ***plant*** parts (such as leaves, seeds, or fruits) expressing the collagen can be used in manuf. of pharmaceutical, medical, dental material, cosmetics, or biotechnol. compns.

L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2002 ACS

AB Gene constructs were designed to test the effect of the endoplasmic reticulum (ER)-targeting signal, KDEL, on the level of accumulation of a foreign protein in transgenic ***plants***. The gene for the pea seed protein vicilin was modified by the addn. of a sequence coding for this tetrapeptide at its carboxyl terminus. The altered gene was placed under the control of a CaMV 35S ***promoter*** and its expression in the leaves of both tobacco and ***lucerne*** (alfalfa) was compared with that of an equiv. vicilin construct lacking the KDEL-coding sequence. The presence of the ER-targeting signal led to a greatly enhanced accumulation of the heterologous protein. In ***lucerne*** and tobacco leaves, the level of vicilin-KDEL protein was 20 and 100 times greater than that of the unmodified vicilin, resp. These differences in expression level could not be explained by corresponding differences in the steady-state levels or the translatability of the mRNAs. However, when the stability of vicilin and vicilin-KDEL proteins was compared with their resp. transgenic hosts, unmodified vicilin was found to be degraded with a half-life of 4.5 h while vicilin-KDEL was much more stable with a half-life of more than 48 h. Immunogold labeling of leaf tissues from transgenic ***lucerne*** and tobacco showed the presence of vicilin assocd. with large aggregates

within the ER lumen of vicilin-KDEL ***plants*** . No such aggregates were detected in transgenic ***plants*** expressing wild-type vicilin. It is concluded that the carboxy-terminal KDEL caused the retention of the modified vicilin in the ER, and that this retention led to the increased stability and higher level of accumulation of vicilin-KDEL in leaves of transgenic ***plants*** .

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=> s pr(w)protein
L9 1268 PR(W) PROTEIN

=> s l9 and lucerne
L10 0 L9 AND LUCERNE

=> s l9 and plant
L11 870 L9 AND PLANT

=> s l11 and induc?
L12 664 L11 AND INDUC?

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PROCESSING COMPLETED FOR L12
L13 359 DUPLICATE REMOVE L12 (305 DUPLICATES REMOVED)

=> s l13 and stress
L14 84 L13 AND STRESS

=> s l14 and ind
L15 0 L14 AND IND

=> s l14 and s1
L16 0 L14 AND S1

=> d 114 1-84 ti

L14 ANSWER 1 OF 84 AGRICOLA

TI Elicitation of peroxidase activity and lignin biosynthesis in pepper suspension cells by *Phytophthora capsici*.

L14 ANSWER 2 OF 84 AGRICOLA

TI Anticipating endoplasmic reticulum ***stress*** : a novel early response before pathogenesis-related gene ***induction*** .

L14 ANSWER 3 OF 84 AGRICOLA

TI Leucine aminopeptidase RNAs, proteins, and activities increase in response to water deficit, salinity, and the wound signals systemin, methyl jasmonate, and abscisic acid.

L14 ANSWER 4 OF 84 AGRICOLA

TI Antagonistic effect of salicylic acid and jasmonic acid on the expression of pathogenesis-related (***PR***) ***protein*** genes in wounded mature tobacco leaves.

L14 ANSWER 5 OF 84 AGRICOLA

TI Regulation by cytokinins of endogenous levels of jasmonic and salicylic acids in mechanically wounded tobacco ***plants*** .

L14 ANSWER 6 OF 84 AGRICOLA

TI Cholera toxin elevates pathogen resistance and ***induces*** pathogenesis-related gene expression in tobacco.

L14 ANSWER 7 OF 84 AGRICOLA

TI A birch gene family encoding pollen allergens and pathogenesis-related proteins.

L14 ANSWER 8 OF 84 AGRICOLA

TI ***Induction*** of tomato ***stress*** protein mRNAs by ethephon, 2,6-dichloroisonicotinic acid and salicylate.

L14 ANSWER 9 OF 84 AGRICOLA

TI Characterization of accumulation of tobacco PR-5 proteins by IEF-immunoblot analysis.

L14 ANSWER 10 OF 84 AGRICOLA

TI Ethylene signal is transduced via protein phosphorylation events in ***plants*** .

L14 ANSWER 11 OF 84 AGRICOLA

TI ***Stress*** - ***induced*** expression of genes for pathogenesis-related proteins in ***plants*** .

L14 ANSWER 12 OF 84 AGRICOLA

TI The occurrence of the thaumatin-like, pathogenesis-related protein, PR-5, in intercellular fluids from *Nicotiana* species and from an interspecific *Nicotiana* hybrid.

L14 ANSWER 13 OF 84 AGRICOLA

TI Ozone- ***induced*** changes of mRNA levels of beta-1,3-glucanase, chitinase and 'pathogenesis-related' protein lb in tobacco ***plants*** .

- L14 ANSWER 14 OF 84 AGRICOLA
 TI Differential ***induction*** of acquired resistance and PR gene expression in tobacco by virus infection, ethephon treatment, UV light and wounding.
- L14 ANSWER 15 OF 84 AGRICOLA
 TI Salicylic acid is a systemic signal and an ***inducer*** of pathogenesis-related proteins in virus-infected tobacco.
- L14 ANSWER 16 OF 84 AGRICOLA
 TI Tobacco genes encoding acidic and basic isoforms of pathogenesis-related proteins display different expression patterns.
- L14 ANSWER 17 OF 84 AGRICOLA
 TI Association of beta-1,3,-glucanase activity and isoform pattern with systemic resistance to blue mould in tobacco ***induced*** by stem injection with Peronospora tabacina or leaf inoculation with tobacco mosaic virus.
- L14 ANSWER 18 OF 84 AGRICOLA
 TI Identification of the viroid- ***induced*** tomato pathogenesis-related (***PR***) ***protein*** P23 as the thaumatin-like tomato protein NP24 associated with osmotic ***stress*** .
- L14 ANSWER 19 OF 84 AGRICOLA
 TI Pathogenesis-related proteins in Solanum dulcamara L. resistant to the gall mite Aceria cladophthirus (Nalepa) (syn Eriophyes cladophthirus Nal.).
- L14 ANSWER 20 OF 84 AGRICOLA
 TI ***Induction*** of bean PR-4d-type protein in divergent ***plant*** species after infection with tobacco ringspot virus and its relationship with tobacco PR-5.
- L14 ANSWER 21 OF 84 AGRICOLA
 TI ***Induction*** of 'pathogenesis-related' proteins in tobacco leaves by physiological (non-pathogenic) disorders.
- L14 ANSWER 22 OF 84 AGRICOLA
 TI Effect of ethephon on protein degradation and the accumulation of 'pathogenesis-related' (***PR***) ***proteins*** in tomato leaf discs.
- L14 ANSWER 23 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Jasmonate and salicylate ***induce*** the expression of pathogenesis-related-protein genes and increase resistance to chilling injury in tomato fruit.
- L14 ANSWER 24 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Effect of salicylic acid and (2'-5')-oligoadenylates on protein synthesis in tobacco leaves under heat shock conditions: A comparative study.
- L14 ANSWER 25 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Infection of Arabidopsis with a necrotrophic pathogen, Botrytis cinerea, elicits various defense responses but does not ***induce*** systemic acquired resistance (SAR).

L14 ANSWER 26 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Whitefly-pathogen-host ***plant*** interactions: Possible involvement of ***plant*** defensive systems.

L14 ANSWER 27 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Characterization and expression of beta-1,3-glucanase genes in peach.

L14 ANSWER 28 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Methyl jasmonate ***induces*** ***stress*** -related gene expression and increases chilling tolerance in tomato fruit.

L14 ANSWER 29 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Transgenic wheat ***plants*** : A powerful breeding source.

L14 ANSWER 30 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Organospecific responses of lupin seedlings to lead I. Localization of lead ions and ***stress*** proteins.

L14 ANSWER 31 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI ***Induction*** of systemic resistance in potato by rhizobacterium Rhizobium etli strain G12 is not associated with accumulation of pathogenesis-related proteins and enhanced lignin biosynthesis.

L14 ANSWER 32 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI A non-toxic pokeweed antiviral protein mutant inhibits pathogen infection via a novel salicylic acid-independent pathway.

L14 ANSWER 33 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Rice (Oryza sativa L.) OsPR1b gene is phytohormonally regulated in close interaction with light signals.

L14 ANSWER 34 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Molecular and biochemical classification of ***plant*** -derived food allergens.

L14 ANSWER 35 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Specific and non-specific markers of ***stress*** in tobacco.

L14 ANSWER 36 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Separation of proteins from stressed rice (Oryza sativa L.) leaf tissues by two-dimensional polyacrylamide gel electrophoresis: ***Induction*** of pathogenesis-related and cellular protectant proteins by jasmonic acid, UV irradiation and copper chloride.

L14 ANSWER 37 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI ***Induction*** of chitinases and beta-1,3-glucanases in resistant and susceptible cultivars of sorghum in response to insect attack, fungal infection and wounding.

L14 ANSWER 38 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI ***Induction*** of different pathogenesis-related cDNAs in grapevine infected with powdery mildew and treated with ethephon.

L14 ANSWER 39 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI ***Induction*** of salicylic acid biosynthesis and systemic acquired resistance using the active oxygen species generator rose bengal.

L14 ANSWER 40 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Defence response of pepper (*Capsicum annuum*) suspension cells to *Phytophthora capsici*.

L14 ANSWER 41 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Altered gene expression brought about inter- and intracellularly formed hexoses and its possible implications for ***plant*** -pathogen interactions.

L14 ANSWER 42 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Accumulation of ***stress*** -proteins in intercellular spaces of barley leaves ***induced*** by biotic and abiotic factors.

L14 ANSWER 43 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI A major root protein of carrots with high homology to intracellular pathogenesis-related (***PR***) ***proteins*** and pollen allergens.

L14 ANSWER 44 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Characteristics of pathogenesis-related proteins ***induced*** in *Phaseolus vulgaris* cv. Pinto following viral infection.

L14 ANSWER 45 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Bean ribonuclease-like pathogenesis-related protein genes (Ypr10) display complex patterns of developmental, dark- ***induced*** and exogenous-stimulus-dependent expression.

L14 ANSWER 46 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Preparing subterranean clovers for future biotechnology: Molecular analysis of genes and proteins involved in ***stress*** and defence reactions and the construction of transgenic ***plants*** .

L14 ANSWER 47 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI ***Induction*** of pathogenesis-related proteins in sugar accumulating tobacco leaves.

L14 ANSWER 48 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Different pathogenesis-related proteins are expressed in sunflower (*Helianthus annuus* L.) in response to physical, chemical and ***stress*** factors.

L14 ANSWER 49 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Differential response of pathogenesis-related proteins to phytoalexin elicitors and its impact on sheath blight disease of rice.

L14 ANSWER 50 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Presence of the pathogenesis-related proteins 2, Q and S in stressed *Brassica napus* and *B. nigra* plantlets.

L14 ANSWER 51 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Pathogenesis-related (***PR***) ***proteins*** ***induced*** in sunflower leaves by aspirin.

L14 ANSWER 52 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI HOST-PATHOGEN INTERACTIONS XXXIX. A SOYBEAN PATHOGENESIS-RELATED PROTEIN WITH BETA-1 3 GLUCANASE ACTIVITY RELEASES PHYTOALEXIN ELICITOR-ACTIVE

HEAT-STABLE FRAGMENTS FROM FUNGAL WALLS.

- L14 ANSWER 53 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI PATHOGENESIS-RELATED ACIDIC BETA-1 3 GLUCANASE GENES OF TOBACCO ARE
REGULATED BY BOTH ***STRESS*** AND DEVELOPMENTAL SIGNALS.
- L14 ANSWER 54 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI ANALYSIS OF THE SYNTHESIS OF SEVERAL PATHOGENESIS-RELATED PROTEINS IN
TOBACCO LEAVES INFILTRATED WITH WATER AND WITH COMPATIBLE AND INCOMPATIBLE
ISOLATES OF PSEUDOMONAS-SOLANACEARUM.
- L14 ANSWER 55 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI C-7P32 AND C-6P34 ***PR*** ***PROTEINS*** ***INDUCED*** IN
TOMATO LEAVES BY CITRUS EXOCORTIS VIROID INFECTION ARE CHITINASES.
- L14 ANSWER 56 OF 84 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI THE PATHOGENESIS RELATED PROTEINS OF TOBACCO CULTIVAR XANTHI-NC THEIR
INDUCTION BY VIRUSES IN INTACT ***PLANTS*** AND THEIR
INDUCTION BY CHEMICALS IN DETACHED LEAVES.
- L14 ANSWER 57 OF 84 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
TI Pathogenesis-related proteins of ***plants*** as allergens.
- L14 ANSWER 58 OF 84 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
TI Modifications of allergenicity linked to food technologies.
- L14 ANSWER 59 OF 84 CAPLUS COPYRIGHT 2002 ACS
TI Advance in pathogenesis-related proteins of ***plants***
- L14 ANSWER 60 OF 84 CAPLUS COPYRIGHT 2002 ACS
TI Molecular biology of grape berry ripening
- L14 ANSWER 61 OF 84 CAPLUS COPYRIGHT 2002 ACS
TI Response mechanism to pathogen- and wound- ***stress*** in
plants . For generation of transgenic ***plants*** resistant
to
pathogen- and insect-attack
- L14 ANSWER 62 OF 84 CAPLUS COPYRIGHT 2002 ACS
TI Ethylene and ***plant*** defense response
- L14 ANSWER 63 OF 84 CAPLUS COPYRIGHT 2002 ACS
TI Benzothiadiazole-activated defence gene expression and disease resistance
in barley
- L14 ANSWER 64 OF 84 CAPLUS COPYRIGHT 2002 ACS
TI ***Stress*** - ***inducible*** ***plant*** promoter and
pathogen-resistant transgenic ***plants***
- L14 ANSWER 65 OF 84 CAPLUS COPYRIGHT 2002 ACS
TI Physiological and metabolic activity of salicylic acid in ***plants***
- L14 ANSWER 66 OF 84 CAPLUS COPYRIGHT 2002 ACS
TI Use of enzymes producing hydrogen peroxide or reactive oxygen species in
stress resistant ***plants***
- L14 ANSWER 67 OF 84 CAPLUS COPYRIGHT 2002 ACS

TI ***Induction*** of acidic pathogenesis-related (PR-1) proteins in
 Erysiphe cichoracearum D.C.-infected tobacco leaves

L14 ANSWER 68 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI Four chitinase cDNAs from Chenopodium amaranticolor

L14 ANSWER 69 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI ***Stress*** and ethylene ***induced*** pathogenesis-related
 proteins in citrus

L14 ANSWER 70 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI Differential transcript ***induction*** of parsley
 pathogenesis-related proteins and of small heat shock protein by ozone and
 heat shock

L14 ANSWER 71 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI .beta.-1,3-Glucanase and chitinase as pathogenesis-related proteins in the
 defense reaction of two Capsicum annuum cultivars infected with cucumber
 mosaic virus

L14 ANSWER 72 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI Expression of ***PR*** ***protein*** genes in response to virus
 infection and other ***stress*** conditions

L14 ANSWER 73 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI Accumulation of defense-related transcripts and cloning of a chitinase
 mRNA from pea leaves (Pisum sativum L.) inoculated with Ascochyta pisi
 Lib.

L14 ANSWER 74 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI ***Plant*** defense reactions ***induced*** in tobacco by the air
 pollutant ozone

L14 ANSWER 75 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI Structure, expression, and synthesis ***induction*** of proteins
 related to the pathogenic processes in a ***plant*** cell
 ("pathogenesis-related proteins")

L14 ANSWER 76 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI Characterization of a wound- ***induced*** transcript from the monocot
 asparagus that shares similarity with a class of intracellular
 pathogenesis-related (***PR***) ***proteins***

L14 ANSWER 77 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI cDNA cloning, structure, and expression of a novel pathogenesis-related
 protein in bean

L14 ANSWER 78 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI Regulated expression of the genes of pathogenesis-related proteins

L14 ANSWER 79 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI Identification of a basic pathogenesis-related, thaumatin-like protein of
 virus-infected tobacco as osmotin

L14 ANSWER 80 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI mRNAs newly synthesized by tobacco mesophyll protoplasts are wound-
 inducible

L14 ANSWER 81 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI Degradation of tomato pathogenesis-related proteins by an endogenous
 37-kDa aspartyl endoproteinase

L14 ANSWER 82 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI The chemical ***induction*** of PR (b) proteins and resistance to TMV
 infection in tobacco

L14 ANSWER 83 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI ***Induction*** of pathogenesis-related proteins in tobacco leaves

L14 ANSWER 84 OF 84 CAPLUS COPYRIGHT 2002 ACS
 TI Synthesis of ***stress*** proteins in tobacco leaves

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	ENTRY	SESSION
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=> s l14 and medicago
 L17 2 L14 AND MEDICAGO

=> d l17 1-2

L17 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
 AN 1999:529272 CAPLUS
 DN 131:154492
 TI ***Stress*** - ***inducible*** ***plant*** promoter and
 pathogen-resistant transgenic ***plants***
 IN Esnault, Robert; Buffard, Dominique; Breda, Colette; Coutos-Thevenot,
 Pierre; Boulay, Michel
 PA Champagne Moet & Chandon, Fr.
 SO PCT Int. Appl., 55 pp.
 CODEN: PIXXD2
 DT Patent
 LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9941391	A1	19990819	WO 1999-FR315	19990212
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	FR 2775000	A1	19990820	FR 1998-1741	19980213
	FR 2775000	B1	20020208		
	CA 2320420	AA	19990819	CA 1999-2320420	19990212
	AU 9924291	A1	19990830	AU 1999-24291	19990212
	BR 9907853	A	20001024	BR 1999-7853	19990212
	EP 1053336	A1	20001122	EP 1999-903741	19990212
	R:	BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT			
	JP 2002508938	T2	20020326	JP 2000-531572	19990212
PRAI	FR 1998-1741	A	19980213		
	WO 1999-FR315	W	19990212		

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

AN 1999:77700 CAPLUS

DN 130:149555

TI Use of enzymes producing hydrogen peroxide or reactive oxygen species in
stress resistant ***plants***

IN Altier, Daniel J.; Bidney, Dennis L.; Coughlan, Sean J.; Falak, Igor;
Yalpani, Nasser; Lu, Guihau; Mancl, Mark K.; Nazarian, Katherine A. P.;
Scelonge, Christopher J.

PA Pioneer Hi-Bred International, Inc., USA

SO PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9904013	A2	19990128	WO 1998-US14861	19980717
	WO 9904013	A3	19990514		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	ZA 9806308	A	19991124	ZA 1998-6308	19980716
	AU 9884111	A1	19990210	AU 1998-84111	19980717
PRAI	US 1997-53123P	P	19970718		
	WO 1998-US14861	W	19980717		

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 NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
 NEWS 6 Mar 08 Gene Names now available in BIOSIS
 NEWS 7 Mar 22 TOXLIT no longer available
 NEWS 8 Mar 22 TRCTHERMO no longer available
 NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS and USPATFULL
 NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
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 NEWS 12 Apr 08 "Ask CAS" for self-help around the clock
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 NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
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 NEWS 21 Jun 10 PCTFULL has been reloaded

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=> s stilbene(w)synthase
L1 277 STILBENE(W) SYNTHASE

=> s l1 and grape
L2 47 L1 AND GRAPE

=> s l2 and vst
L3 1 L2 AND VST

=> d l3 1

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
AN 1999:334270 CAPLUS
DN 131:14644
TI Grapevine protoplasts as a transient expression system for comparison of
stilbene ***synthase*** genes containing cGMP-responsive
promoter elements
AU Brehm, Ilka; Preisig-Muller, Regina; Kindl, Helmut
CS Fachbereich Chemie, Philipps-Univ., Marburg, D-35032, Germany
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1999),
54(3/4), 220-229
CODEN: ZNCBDA; ISSN: 0341-0382
PB Verlag der Zeitschrift fuer Naturforschung
DT Journal
LA English
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
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=> d 12 1-17

L2 ANSWER 1 OF 47 AGRICOLA
AN 2001:73347 AGRICOLA
DN IND23227661

TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in transgenic plants expressing the ***stilbene*** ***synthase*** Vst1 gene under the control of a pathogen-inducible PR 10 promoter.
AU Coutos-Thevenot, P.; Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.; Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.
SO Journal of experimental botany, May 2001. Vol. 52, No. 358. p. 901-910
Publisher: Oxford : Oxford University Press.
CODEN: JEBOA6; ISSN: 0022-0957

NTE Includes references
CY England; United Kingdom
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L2 ANSWER 2 OF 47 AGRICOLA
AN 2000:50228 AGRICOLA
DN IND22060749

TI The molecular regulation of stilbene phytoalexin biosynthesis in Vitis vinifera during ***grape*** berry development. [Erratum: 2000, v. 27 (7), p. 723.]
AU Bais, A.J.; Murphy, P.J.; Dry, I.B.
SO Australian journal of plant physiology, 2000. Vol. 27, No. 5. p. 425-433
Publisher: Collingwood, Vic. : CSIRO Publishing.
CODEN: AJPPCH; ISSN: 0310-7841
Gov. Source: Federal

NTE Includes references
CY Australia
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L2 ANSWER 3 OF 47 AGRICOLA
AN 94:69170 AGRICOLA
DN IND20416621

TI Cloning and molecular analysis of structural genes involved in flavonoid and stilbene biosynthesis in ***grape*** (Vitis vinifera L.).
AU Sparvoli, F.; Martin, C.; Scienza, A.; Gavazzi, G.; Tonelli, C.
AV DNAL (QK710.P62)

SO Plant molecular biology, Mar 1994. Vol. 24, No. 5. p. 743-755
 Publisher: Dordrecht : Kluwer Academic Publishers.
 CODEN: PMBIDB; ISSN: 0167-4412

NTE Includes references
 CY Netherlands
 DT Article
 FS Non-U.S. Imprint other than FAO
 LA English

L2 ANSWER 4 OF 47 AGRICOLA
 AN 92:25309 AGRICOLA
 DN IND92008357
 TI Coordinate- and elicitor-dependent expression of ***stilbene***
 synthase and phenylalanine ammonia-lyase genes in Vitis cv.
 Optima.
 AU Melchior, F.; Kindl, H.
 CS University of Marburg, Marburg, Germany
 AV DNAL (381 AR2)
 SO Archives of biochemistry and biophysics, Aug 1, 1991. Vol. 288, No. 2. p.
 552-557
 Publisher: Orlando, Fla. : Academic Press.
 CODEN: ABBIA4; ISSN: 0003-9861

NTE Includes references.
 DT Article
 FS U.S. Imprints not USDA, Experiment or Extension
 LA English

L2 ANSWER 5 OF 47 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2002:26506 BIOSIS
 DN PREV200200026506
 TI Stilbene compounds and ***stilbene*** ***synthase*** expression
 during ripening, wilting, and UV treatment in ***grape*** cv. Corvina.
 AU Versari, Andrea; Parpinello, Giuseppina Paola (1); Tornielli, Giovanni
 Battista; Ferrarini, Roberto; Giulivo, Claudio
 CS (1) Universita di Bologna, Cesena: gparp@foodsci.unibo.it Italy
 SO Journal of Agricultural and Food Chemistry, (November, 2001) Vol. 49, No.
 11, pp. 5531-5536. print.
 ISSN: 0021-8561.

DT Article
 LA English

L2 ANSWER 6 OF 47 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:371889 BIOSIS
 DN PREV200100371889
 TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in
 transgenic plants expressing the ***stilbene*** ***synthase***
 Vst1 gene under the control of a pathogen-inducible PR 10 promoter.
 AU Coutos-Thevenot, P. (1); Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.;
 Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.
 CS (1) Laboratoire de Physiologie et Biochimie Vegetales, ESA CNRS 6161,
 Universite de Poitiers, UFR Sciences, 40 avenue du Recteur Pineau, 86022,
 Poitiers Cedex France
 SO Journal of Experimental Botany, (May, 2001) Vol. 52, No. 358, pp. 901-910.
 print.
 ISSN: 0022-0957.

DT Article
 LA English

SL English

L2 ANSWER 7 OF 47 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:333966 BIOSIS
 DN PREV200100333966
 TI Advances of resveratrol research: Resveratrol, a phytoalexin in
 grape , having cancer- and arteriosclerosis-preventive activities.
 AU Kobayashi, Shozo (1)
 CS (1) Persimmon and Grape Research Center, National Institute of Fruit Tree
 Science, Akitsu, Hiroshima, 729-2494 Japan
 SO Bulletin of the National Institute of Fruit Tree Science, (December, 2000)
 No. 34, pp. 1-15. print.
 ISSN: 0916-5851.
 DT Article
 LA Japanese
 SL English

L2 ANSWER 8 OF 47 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:70868 BIOSIS
 DN PREV200100070868
 TI Pathogen and stress-responsive promoter for gene expression.
 AU Wu, Gusui (1); Holsten, Thomas E.
 CS (1) Davis, CA USA
 ASSIGNEE: Calgene LLC
 PI US 6072103 June 06, 2000
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (June 6, 2000) Vol. 1235, No. 1, pp. No Pagination. e-file.
 ISSN: 0098-1133.
 DT Patent
 LA English

L2 ANSWER 9 OF 47 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2000:300012 BIOSIS
 DN PREV200000300012
 TI The molecular regulation of stilbene phytoalexin biosynthesis in Vitis
 vinifera during ***grape*** berry development.
 AU Bais, Anthony J.; Murphy, Peter J.; Dry, Ian B. (1)
 CS (1) Horticulture Unit, CSIRO Plant Industry, Glen Osmond, SA, 5064
 Australia
 SO Australian Journal of Plant Physiology, (2000) Vol. 27, No. 5, pp.
 425-433. print.
 ISSN: 0310-7841.
 DT Article
 LA English
 SL English

L2 ANSWER 10 OF 47 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1998:64507 BIOSIS
 DN PREV199800064507
 TI Comparison of ***stilbene*** ***synthase*** activity (resveratrol
 amounts and ***stilbene*** ***synthase*** mRNAs levels) in
 grapevine leaves treated with biotic and abiotic phytoalexin inducers.
 AU Adrian, M.; Daire, X.; Jeandet, P. (1); Breuil, A.-C.; Weston, L. A.;
 Bessis, R.; Boudon, E.
 CS (1) Dep. Grapevine Sciences, Jules Guyot Inst., Univ. Burgundy, 21004
 Dijon France
 SO American Journal of Enology and Viticulture, (1997) Vol. 48, No. 3, pp.

394-395.

Meeting Info.: Annual Meeting of the American Society for Enology and
Viticulture San Diego, California, USA June 1997

ISSN: 0002-9254.

DT Conference

LA English

L2 ANSWER 11 OF 47 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1994:346057 BIOSIS

DN PREV199497359057

TI Cloning and molecular analysis of structural genes involved in flavonoid
and stilbene biosynthesis in ***grape*** (Vitis vinifera L.

AU Sparvoli, Francesca; Martin, Cathie; Scienza, Attilio; Gavazzi, Giuseppe;
Tonelli, Chiara (1)

CS (1) Dip. di Genetica e di Biol. dei Microorganismi, Univ. degli Studi di
Milano, Via Celoria 26, 20133 Milan Italy

SO Plant Molecular Biology, (1994) Vol. 24, No. 5, pp. 743-755.

ISSN: 0167-4412.

DT Article

LA English

L2 ANSWER 12 OF 47 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1991:413826 BIOSIS

DN BA92:80791

TI COORDINATE-DEPENDENT AND ELICITOR-DEPENDENT EXPRESSION OF ***STILBENE***
SYNTHASE AND PHENYLALANINE AMMONIA-LYASE GENES IN VITIS CULTIVAR
OPTIMA.

AU MELCHIOR F; KINDL H

CS UNIVERSITY MARBURG, DEP. CHEMISTRY, HANS-MEERWEIN-STRASSE, D-3550 MARBURG,
GER.

SO ARCH BIOCHEM BIOPHYS, (1991) 288 (2), 552-557.

CODEN: ABBIA4. ISSN: 0003-9861.

FS BA; OLD

LA English

L2 ANSWER 13 OF 47 CAPLUS COPYRIGHT 2002 ACS

AN 2002:375041 CAPLUS

DN 136:368603

TI Resveratrol in ***grapes*** and wines: a little of history

AU Fregoni, Costanza; Bavaresco, Luigi

CS Italy

SO Vignevini (2002), 29(4), 58-60, 62, 64, 66, 68

CODEN: VIGNDL; ISSN: 0390-0479

PB Il Sole 24 ORE Edagricole Srl

DT Journal; General Review

LA Italian

L2 ANSWER 14 OF 47 CAPLUS COPYRIGHT 2002 ACS

AN 2002:31198 CAPLUS

DN 136:96031

TI Preparation of anticancer transgenic tomato expressing resveratrol
biosynthesis gene from ***grape***

IN Pyee, Jae-Ho; Hyung, Nam-In

PA S. Korea

SO PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 2002002053	A2	20020110	WO 2001-KR1126	20010629
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU,				
	LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,				
	SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,				
	ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				
	BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI	KR 2000-36744	A	20000630		
	KR 2001-36940	A	20010627		

L2 ANSWER 15 OF 47 CAPLUS COPYRIGHT 2002 ACS

AN 2002:10641 CAPLUS

DN 136:65206

TI Method for reducing toxic contents in tobacco by introducing

stilbene ***synthase*** gene

IN Pyee, Jae-Ho

PA S. Korea

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 2002000837	A2	20020103	WO 2001-KR1113	20010628
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU,				
	LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,				
	SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,				
	ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				
	BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI	KR 2000-36450	A	20000629		
	KR 2001-36939	A	20010627		

L2 ANSWER 16 OF 47 CAPLUS COPYRIGHT 2002 ACS

AN 2001:730022 CAPLUS

DN 136:4892

TI Stilbene Compounds and ***Stilbene*** ***Synthase*** Expression
during Ripening, Wilting, and UV Treatment in ***Grape*** cv. Corvina

AU Versari, Andrea; Paola Parpinello, Giuseppina; Battista Tornielli,
Giovanni; Ferrarini, Roberto; Giulivo, Claudio

CS Corso di Laurea in Scienze e Tecnologie Alimentari, Universita di Bologna,
Cesena (FC), 47023, Italy

SO Journal of Agricultural and Food Chemistry (2001), 49(11), 5531-5536

CODEN: JAFCAU; ISSN: 0021-8561

PB American Chemical Society

DT Journal

LA English

RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 17 OF 47 CAPLUS COPYRIGHT 2002 ACS
AN 2001:503075 CAPLUS
DN 135:224178
TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in
transgenic plants expressing the ***stilbene*** ***synthase***
Vst1 gene under the control of a pathogen-inducible PR 10 promoter
AU Coutos-Thevenot, P.; Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.;
Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.
CS LVMH-Recherche: Moet et Chandon, Epernay, 51333, Fr.
SO Journal of Experimental Botany (2001), 52(358), 901-910
CODEN: JEBOA6; ISSN: 0022-0957
PB Oxford University Press
DT Journal
LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> duplicate remove l2

DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, CAPLUS, EMBASE'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L2

L4 36 DUPLICATE REMOVE L2 (11 DUPLICATES REMOVED)

=> d l4 1-36 au ti

L4 ANSWER 1 OF 36 CAPLUS COPYRIGHT 2002 ACS
IN Pyee, Jae-Ho; Hyung, Nam-In
TI Preparation of anticancer transgenic tomato expressing resveratrol
biosynthesis gene from ***grape***

L4 ANSWER 2 OF 36 CAPLUS COPYRIGHT 2002 ACS
IN Pyee, Jae-Ho
TI Method for reducing toxic contents in tobacco by introducing
stilbene ***synthase*** gene

L4 ANSWER 3 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Fregoni, Costanza; Bavaresco, Luigi
TI Resveratrol in ***grapes*** and wines: a little of history

L4 ANSWER 4 OF 36 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1
AU Versari, Andrea; Parpinello, Giuseppina Paola (1); Tornielli, Giovanni
Battista; Ferrarini, Roberto; Giulivo, Claudio
TI Stilbene compounds and ***stilbene*** ***synthase*** expression
during ripening, wilting, and UV treatment in ***grape*** cv. Corvina.

L4 ANSWER 5 OF 36 AGRICOLA DUPLICATE 2
AU Coutos-Thevenot, P.; Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.;
Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.
TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in
transgenic plants expressing the ***stilbene*** ***synthase***
Vst1 gene under the control of a pathogen-inducible PR 10 promoter.

L4 ANSWER 6 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Robert, Nadia; Ferran, Jean; Breda, Colette; Coutos-Thevenot, Pierre;
Boulay, Michel; Buffard, Dominique; Esnault, Robert
TI Molecular characterization of the incompatible interaction of *Vitis*
vinifera leaves with *Pseudomonas syringae* pv. *pti*: Expression of genes
coding for ***stilbene*** ***synthase*** and class 10 PR protein

L4 ANSWER 7 OF 36 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AU Wu, Gusui (1); Holsten, Thomas E.
TI Pathogen and stress-responsive promoter for gene expression.

L4 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Kobayashi, S.; Ding, C. K.; Nakamura, Y.; Nakajima, I.; Matsumoto, R.
TI Kiwifruits (*Actinidia deliciosa*) transformed with a *Vitis* ***stilbene***
synthase gene produce piceid (resveratrol-glucoside)

L4 ANSWER 9 OF 36 AGRICOLA DUPLICATE 3
AU Bais, A.J.; Murphy, P.J.; Dry, I.B.
TI The molecular regulation of stilbene phytoalexin biosynthesis in *Vitis*
vinifera during ***grape*** berry development. [Erratum: 2000, v. 27
(7), p. 723.]

L4 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Geuna, F.; Scienza, A.; Hartings, H.
TI Discrimination of clones of *Vitis vinifera* L. based on the polymorphism of
stilbene ***synthase*** -chalcone synthase 5' untranslated
genomic regions

L4 ANSWER 11 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Song, Won Yong; In, Jun Gyo; Lim, Yong Pyo; Choi, Kwan Sam
TI Cloning and characterization of UV-B inducible chalcone synthase from
grape cell suspension culture system and its expression compared
with ***stilbene*** ***synthase***

L4 ANSWER 12 OF 36 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE
4
AU Kobayashi, Shozo (1)
TI Advances of resveratrol research: Resveratrol, a phytoalexin in
grape, having cancer- and arteriosclerosis-preventive activities.

L4 ANSWER 13 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Goodwin, P. H.; Hsiang, T.; Erickson, L.
TI A comparison of stilbene and chalcone synthases including a new
stilbene ***synthase*** gene from *Vitis riparia* cv. Gloire de
Montpellier

L4 ANSWER 14 OF 36 CAPLUS COPYRIGHT 2002 ACS
IN Coutos-Thevenot, Pierre; Hain, Rudiger; Schreier, Peter-helmut; Boulay,
Michel
TI Chimeric stress-inducible promoter- ***stilbene*** ***synthase***
gene and transgenic plants resistant to pathogens

L4 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2002 ACS
IN Wu, Gusui; Holsten, Thomas E.
TI ***Grape*** ***stilbene*** ***synthase*** gene expression in
tomato and tobacco using a pathogen and stress-responsive promoter

L4 ANSWER 16 OF 36 CAPLUS COPYRIGHT 2002 ACS
 AU Brehm, Ilka; Preisig-Muller, Regina; Kindl, Helmut
 TI Grapevine protoplasts as a transient expression system for comparison of
 stilbene ***synthase*** genes containing cGMP-responsive
 promoter elements

L4 ANSWER 17 OF 36 CAPLUS COPYRIGHT 2002 ACS
 AU Hain, Rudiger
 TI Modification of plant secondary metabolism by foreign phytoalexin genes

L4 ANSWER 18 OF 36 CAPLUS COPYRIGHT 2002 ACS
 AU Fettig, Sebastian; Hess, Dieter
 TI Expression of a chimeric grapevine ***stilbene*** ***synthase***
 gene in stable wheat transformants

L4 ANSWER 19 OF 36 CAPLUS COPYRIGHT 2002 ACS
 IN Schubert, Roland; Sandermann, Heinrich; Ernst, Dietrich; Hain, Ruediger;
 Fischer, Regina
 TI Ozone-responsive element of ***grape*** Vst1 gene and pathogen or
 ozone-induced gene expression in plants

L4 ANSWER 20 OF 36 CAPLUS COPYRIGHT 2002 ACS
 AU Leckband, G.; Lorz, H.
 TI Transformation and expression of a ***stilbene*** ***synthase***
 gene of Vitis vinifera L. in barley and wheat for increased fungal
 resistance

L4 ANSWER 21 OF 36 CAPLUS COPYRIGHT 2002 ACS
 AU Busam, Gunther; Junghanns, Kay Teja; Kneusel, Richard Edward; Kassemeyer,
 Hanns-Heinz; Matern, Ulrich
 TI Characterization and expression of caffeoyl-coenzyme a
 3-O-methyltransferase proposed for the induced resistance response of
 Vitis vinifera L

L4 ANSWER 22 OF 36 CAPLUS COPYRIGHT 2002 ACS
 AU Stark-Lorenzen, P.; Nelke, B.; Hanssler, G.; Muhlbach, H. P.; Thomzik, J.
 E.
 TI Transfer of a grapevine ***stilbene*** ***synthase*** gene to rice
 (Oryza sativa)

L4 ANSWER 23 OF 36 CAPLUS COPYRIGHT 2002 ACS
 AU Schubert, Roland; Fischer, Regina; Hain, Ruediger; Schreier, Peter H.;
 Bahnweg, Guenther; Ernst, Dieter; Sandermann, Heinrich, Jr.
 TI An ozone-responsive region of the grapevine resveratrol synthase promoter
 differs from the basal pathogen-responsive sequence

L4 ANSWER 24 OF 36 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AU Adrian, M.; Daire, X.; Jeandet, P. (1); Breuil, A.-C.; Weston, L. A.;
 Bessis, R.; Boudon, E.
 TI Comparison of ***stilbene*** ***synthase*** activity (resveratrol
 amounts and ***stilbene*** ***synthase*** mRNAs levels) in
 grapevine leaves treated with biotic and abiotic phytoalexin inducers.

L4 ANSWER 25 OF 36 CAPLUS COPYRIGHT 2002 ACS
 AU Geuna, F.; Hartings, H.; Scienza, A.
 TI Discrimination between cultivars of Vitis vinifera based on molecular

variability concerning 5' untranslated regions of the StSy-CHS genes

- L4 ANSWER 26 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Thomzik, J. E.; Stenzel, K.; Stocker, R.; Schreier, P. H.; Hain, R.;
Stahl, D. J.
TI Synthesis of a grapevine phytoalexin in transgenic tomatoes (*Lycopersicon
esculentum* Mill.) conditions resistance against *Phytophthora infestans*
- L4 ANSWER 27 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Jeandet, P.; Sbaghi, M.; Bessis, R.; Meunier, P.
TI The potential relationship of stilbene (resveratrol) synthesis to
anthocyanin content in ***grape*** berry skins
- L4 ANSWER 28 OF 36 AGRICOLA DUPLICATE 5
AU Sparvoli, F.; Martin, C.; Scienza, A.; Gavazzi, G.; Tonelli, C.
TI Cloning and molecular analysis of structural genes involved in flavonoid
and stilbene biosynthesis in ***grape*** (*Vitis vinifera* L.).
- L4 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Wiese, Wilfried; Vornam, Barbara; Krause, Elvira; Kindl, Helmut
TI Structural organization and differential expression of three
stilbene ***synthase*** genes located on a 13 kb grapevine
DNA
fragment
- L4 ANSWER 30 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Hain, Ruediger; Reif, Hans Joerg; Krause, Elvira; Langebartels, Ruth;
Kindl, Helmut; Vornam, Barbara; Wiese, Wilfried; Schmelzer, Elmon;
Schreier, Peter H.; et al.
TI Disease resistance results from foreign phytoalexin expression in a novel
plant
- L4 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2002 ACS
IN Hain, Ruediger; Reif, Hans Joerg; Stenzel, Klaus
TI Expression of grapevine ***stilbene*** ***synthase*** gene in
other plants to increase pathogen resistance
- L4 ANSWER 32 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Hain, R.; Reif, H. J.; Langebartels, R.; Schreier, P. H.; Stocker, R. H.;
Thomzik, J. E.; Stenzel, K.; Kindl, H.; Schmelzer, E.
TI Foreign phytoalexin expression in plants results in increased disease
resistance
- L4 ANSWER 33 OF 36 AGRICOLA DUPLICATE 6
AU Melchior, F.; Kindl, H.
TI Coordinate- and elicitor-dependent expression of ***stilbene***
synthase and phenylalanine ammonia-lyase genes in *Vitis* cv.
Optima.
- L4 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Liswidowati, Frauke; Melchior, Frauke; Hohmann, Frank; Schwer, Burkhardt;
Kindl, Helmut
TI Induction of ***stilbene*** ***synthase*** by *Botrytis cinerea* in
cultured grapevine cells
- L4 ANSWER 35 OF 36 CAPLUS COPYRIGHT 2002 ACS
AU Melchior, Frauke; Kindl, Helmut

TI Grapevine ***stilbene*** ***synthase*** cDNA only slightly
differing from chalcone synthase cDNA is expressed in Escherichia coli
into a catalytically active enzyme

L4 ANSWER 36 OF 36 CAPLUS COPYRIGHT 2002 ACS

AU Fritzemeier, K. H.; Kindl, H.

TI Coordinate induction by UV light of ***stilbene*** ***synthase*** ,
phenylalanine ammonia-lyase and cinnamate 4-hydroxylase in leaves of
Vitaceae

=> s l4 and transform?

L5 13 L4 AND TRANSFORM?

=> d l5 1-13

L5 ANSWER 1 OF 13 AGRICOLA

AN 2001:73347 AGRICOLA

DN IND23227661

TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in
transgenic plants expressing the ***stilbene*** ***synthase***
Vstl gene under the control of a pathogen-inducible PR 10 promoter.

AU Coutos-Thevenot, P.; Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.;
Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.

SO Journal of experimental botany, May 2001. Vol. 52, No. 358. p. 901-910
Publisher: Oxford : Oxford University Press.

CODEN: JEBOA6; ISSN: 0022-0957

NTE Includes references

CY England; United Kingdom

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L5 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2002:31198 CAPLUS

DN 136:96031

TI Preparation of anticancer transgenic tomato expressing resveratrol
biosynthesis gene from ***grape***

IN Pyee, Jae-Ho; Hyung, Nam-In

PA S. Korea

SO PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2002002053	A2	20020110	WO 2001-KR1126	20010629
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

PRAI KR 2000-36744 A 20000630
KR 2001-36940 A 20010627

L5 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2002:10641 CAPLUS

DN 136:65206

TI Method for reducing toxic contents in tobacco by introducing

stilbene ***synthase*** gene

IN Pyee, Jae-Ho

PA S. Korea

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002000837	A2	20020103	WO 2001-KR1113	20010628
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRAI	KR 2000-36450	A	20000629		
	KR 2001-36939	A	20010627		

L5 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2000:629110 CAPLUS

DN 134:247781

TI Kiwifruits (*Actinidia deliciosa*) ***transformed*** with a *Vitis*

stilbene ***synthase*** gene produce piceid

(resveratrol-glucoside)

AU Kobayashi, S.; Ding, C. K.; Nakamura, Y.; Nakajima, I.; Matsumoto, R.

CS Persimmon and Grape Research Center, National Institute of Fruit Tree Science, Hiroshima, 729-2494, Japan

SO Plant Cell Reports (2000), 19(9), 904-910

CODEN: PCRPD8; ISSN: 0721-7714

PB Springer-Verlag

DT Journal

LA English

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2000:264029 CAPLUS

DN 133:233366

TI Expression of a chimeric grapevine ***stilbene*** ***synthase***
gene in stable wheat ***transformants***

AU Fettig, Sebastian; Hess, Dieter

CS Universitat Hohenheim, Institut fur Pflanzenphysiologie-260, Stuttgart, D-70593, Germany

SO Current Plant Science and Biotechnology in Agriculture (1999), 36(Plant Biotechnology and In Vitro Biology in the 21st Century), 135-138

CODEN: CPBAE2; ISSN: 0924-1949
PB Kluwer Academic Publishers
DT Journal
LA English
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2002 ACS
AN 1999:366889 CAPLUS
DN 131:182282
TI Modification of plant secondary metabolism by foreign phytoalexin genes
AU Hain, Rudiger
CS Crop Protection Business Group, Research, Molecular Target Research and
Biotechnology, Leverkusen, D-51368, Germany
SO Special Publication - Royal Society of Chemistry (1999), 233(Pesticide
Chemistry and Bioscience), 190-203
CODEN: SROCD0; ISSN: 0260-6291
PB Royal Society of Chemistry
DT Journal; General Review
LA English
RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2002 ACS
AN 1999:359669 CAPLUS
DN 131:14850
TI ***Grape*** ***stilbene*** ***synthase*** gene expression in
tomato and tobacco using a pathogen and stress-responsive promoter
IN Wu, Gusui; Holsten, Thomas E.
PA Calgene LLC, USA
SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9927114	A1	19990603	WO 1998-US25257	19981123
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 6072103	A	20000606	US 1997-976122	19971121
	CA 2309808	AA	19990603	CA 1998-2309808	19981123
	AU 9916089	A1	19990615	AU 1999-16089	19981123
	EP 1032684	A1	20000906	EP 1998-960505	19981123
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
PRAI	US 1997-976122	A	19971121		
	WO 1998-US25257	W	19981123		
RE.CNT	7				

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2002 ACS
 AN 1999:334270 CAPLUS
 DN 131:14644
 TI Grapevine protoplasts as a transient expression system for comparison of
 stilbene ***synthase*** genes containing cGMP-responsive
 promoter elements
 AU Brehm, Ilka; Preisig-Muller, Regina; Kindl, Helmut
 CS Fachbereich Chemie, Philipps-Univ., Marburg, D-35032, Germany
 SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1999),
 54(3/4), 220-229
 CODEN: ZNCBDA; ISSN: 0341-0382
 PB Verlag der Zeitschrift fuer Naturforschung
 DT Journal
 LA English
 RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:507266 CAPLUS
 DN 129:240743
 TI ***Transformation*** and expression of a ***stilbene***
 synthase gene of Vitis vinifera L. in barley and wheat for
 increased fungal resistance
 AU Leckband, G.; Lorz, H.
 CS Institut fur Allgemeine Botanik, Angewandte Molekularbiologie der Pflanzen
 (AMP II), Universitat Hamburg, Hamburg, D-22609, Germany
 SO Theoretical and Applied Genetics (1998), 96(8), 1004-1012
 CODEN: THAGA6; ISSN: 0040-5752
 PB Springer-Verlag
 DT Journal
 LA English

L5 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:162173 CAPLUS
 DN 128:228576
 TI Synthesis of a grapevine phytoalexin in transgenic tomatoes (Lycopersicon
 esculentum Mill.) conditions resistance against Phytophthora infestans
 AU Thomzik, J. E.; Stenzel, K.; Stocker, R.; Schreier, P. H.; Hain, R.;
 Stahl, D. J.
 CS Crop Protection Business Group, Bayer AG, Molecular Target Research and
 Biotechnology, Agricultural Centre Monheim, Leverkusen, D-51368, Germany
 SO Physiological and Molecular Plant Pathology (1997), 51(4), 265-278
 CODEN: PMPPEZ; ISSN: 0885-5765
 PB Academic Press Ltd.
 DT Journal
 LA English

L5 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:459407 CAPLUS
 DN 127:172064
 TI An ozone-responsive region of the grapevine resveratrol synthase promoter
 differs from the basal pathogen-responsive sequence
 AU Schubert, Roland; Fischer, Regina; Hain, Ruediger; Schreier, Peter H.;
 Bahnweg, Guenther; Ernst, Dieter; Sandermann, Heinrich, Jr.
 CS GSF - National Research Center for Environmental and Health, Institute of
 Biochemical Plant Pathology, Oberschleissheim, 85764, Germany
 SO Plant Molecular Biology (1997), 34(3), 417-426

CODEN: PMBIDB; ISSN: 0167-4412
PB Kluwer
DT Journal
LA English

L5 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2002 ACS
AN 1993:445373 CAPLUS
DN 119:45373
TI Foreign phytoalexin expression in plants results in increased disease resistance
AU Hain, R.; Reif, H. J.; Langebartels, R.; Schreier, P. H.; Stocker, R. H.; Thomzik, J. E.; Stenzel, K.; Kindl, H.; Schmelzer, E.
CS Germany
SO Brighton Crop Prot. Conf.--Pests Dis. (1992), (2), 757-66
CODEN: BCPDED
DT Journal
LA English

L5 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS
AN 1993:98216 CAPLUS
DN 118:98216
TI Disease resistance results from foreign phytoalexin expression in a novel plant
AU Hain, Ruediger; Reif, Hans Joerg; Krause, Elvira; Langebartels, Ruth; Kindl, Helmut; Vornam, Barbara; Wiese, Wilfried; Schmelzer, Elmon; Schreier, Peter H.; et al.
CS Inst. Biotechnol., Bayer AG, Leverkusen, D-5090/1, Germany
SO Nature (London) (1993), 361(6408), 153-6
CODEN: NATUAS; ISSN: 0028-0836
DT Journal
LA English

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

78.18

88.71

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun 14, 2002 (20020614/UP).

=>

=> d 14 6 31 ab

YOU HAVE REQUESTED DATA FROM FILE 'AGRICOLA, BIOSIS, CAPLUS' - CONTINUE? (Y)/N:y

L4 ANSWER 6 OF 36 CAPLUS COPYRIGHT 2002 ACS
AB The interaction between Vitis vinifera and Pseudomonas syringae pv. pisi was examd. at the pathol. and mol. levels. Leaves infiltrated with the bacterial suspension developed necrotic regions which remained restricted to the infiltrated areas. In the infiltrated zone the no. of bacteria

decreased around 24 h after inoculation while no bacteria could be isolated from the non-infiltrated zone. At the mol. level, two genes, ***stilbene*** ***synthase*** (SS) and a PR10 gene, encoding putative defense proteins, were analyzed. Expression of the SS gene, measured by the anal. of transcript accumulation, was shown to be highly induced and was followed by the accumulation of resveratrol (peaking at approx. 48 h post-inoculation), considered as one of the major phytoalexins in the Vitis species. We report for the first time the isolation of a genomic clone (VvPR10-1) coding for a PR10 protein from this plant. The accumulation of the corresponding mRNA (0.8 kb) was obsd. from 3 to 96 h post-inoculation, peaking at 24-48 h, and was followed by the accumulation (between 24 and, at least, 96 h after inoculation) of the encoded polypeptide as detected by immuno-blotting. These results indicate that our exptl. system based on an interaction of the non-host plant V. vinifera leaves with P.s. pv. pisi, has to be considered as an HR-like response and is well suited for the anal. of the defense reaction of this economically important species.

L4 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2002 ACS

AB A gene encoding the ***stilbene*** ***synthase*** (resveratrol synthase) of grapevine is expressed in other plants to increase their resistance to pathogens. The gene and its regulatory elements were introduced into tobacco and potato callus on a kanamycin-resistance plasmid by std. methods (Agrobacterium or CaNO3 pptn.) and plants resistant to kanamycin were regenerated. Regenerated tobacco plants were challenged with Botrytis cinerea. In comparison to untransformed control plants, the extent of infection was reduced 57-58% after 4-8 days.

=> file agricola biosis caplus embase
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.06	94.74

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-1.24

CA SUBSCRIBER PRICE

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=> s pr and protein and induc?

L6 4922 PR AND PROTEIN AND INDUC?

=> s l6 and lucerne

L7 0 L6 AND LUCERNE

=> s 16 and medicago
L8 14 L6 AND MEDICAGO

=> d 18 1-14 au ti

L8 ANSWER 1 OF 14 AGRICOLA

AU Breda, C.; Sallaud, C.; El-Turk, J.; Buffard, D.; Kozak, I. de.; Esnault, R.; Kondorosi, A.

TI Defense reaction in ***Medicago*** sativa: a gene encoding a class 10
PR ***protein*** is expressed in vascular bundles.

L8 ANSWER 2 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU Breda, Colette; Sallaud, Christophe; El-Turk, Joumana; Buffard, Dominique; De Kozak, Isabelle; Esnault, Robert (1); Kondorosi, Adam

TI Defense reaction in ***Medicago*** sativa: A gene encoding a class 10
PR ***protein*** is expressed in vascular bundles.

L8 ANSWER 3 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AU Liscum, Emmanuel; Hangarter, Roger P. (1)

TI Genetic evidence that the red-absorbing form of phytochrome B modulates gravitropism in Arabidopsis thaliana.

L8 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS

IN Ding, Shou-wei

TI Disease resistant transgenic plants comprising a tomato aspermy virus 2b gene

L8 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS

IN Yalpani, Nasser

TI Use of polyketide synthase genes to increase disease resistance in plants

L8 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2002 ACS

IN Ding, Shou-Wei

TI Disease resistant transgenic plants transformed with cucumovirus 2b gene sequence

L8 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2002 ACS

IN Coutos-Thevenot, Pierre; Hain, Rudiger; Schreier, Peter-helmut; Boulay, Michel

TI Chimeric stress- ***inducible*** promoter-stilbene synthase gene and transgenic plants resistant to pathogens

L8 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS

IN Esnault, Robert; Buffard, Dominique; Breda, Colette; Coutos-Thevenot, Pierre; Boulay, Michel

TI Stress- ***inducible*** plant promoter and pathogen-resistant transgenic plants

L8 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS

IN Altier, Daniel J.; Bidney, Dennis L.; Coughlan, Sean J.; Falak, Igor; Yalpani, Nasser; Lu, Guihau; Mancl, Mark K.; Nazarian, Katherine A. P.; Scelonge, Christopher J.

TI Use of enzymes producing hydrogen peroxide or reactive oxygen species in stress resistant plants

L8 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS

AU Masaoka, Yoshikuni; Chino, Mitsuo; Mori, Satoshi

TI Amino acid sequence of ***proteins*** ***induced*** in Fe-deficient stressed alfalfa (***Medicago*** sativa L.) roots

L8 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AU Breda, Colette; Sallaud, Christophe; El-Turk, Joumana; Buffard, Dominique; de Kozak, Isabelle; Esnault, Robert; Kondorosi, Adam
 TI Defense reaction in ***Medicago*** sativa: a gene encoding a class 10 ***PR*** ***protein*** is expressed in vascular bundles

L8 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AU Szybiak-Strozycka, Urszula; Lescure, Nicole; Cullimore, Julie V.; Gamas, Pascal
 TI A cDNA encoding a ***PR*** -1-like ***protein*** in the model legume ***Medicago*** truncatula

L8 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AU Muschietti, Jorge P.; Martinetto, Horacio E.; Coso, Omar A.; Farber, Marisa D.; Torres, Hector N.; Flawia, Mirtha M.
 TI G- ***protein*** from ***Medicago*** sativa: Functional association to photoreceptors

L8 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS
 IN Hohn, Thomas; Bonneville, Jean Marc; Fuetterer, Johannes; Gordon, Karl; Sanfacon, Helene
 TI ***Inducible*** virus resistance in plants

=> d 18 5 7 8 14 ab

L8 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AB The invention relates to the genetic manipulation of plants to enhance disease resistance. The methods involve genetically manipulating plants to produce a polyketide that ***induces*** the accumulation of defense-related ***proteins*** in a plant. Such methods find use in agriculture, particularly in lessening the impact of disease-causing organisms on crop plants. Methods for genetically manipulating plants to produce such a polyketide are provided. Transformed plants, plant cells, plant tissues and seeds thereof are also provided. Foliar 6-Me salicylate was shown to ***induce*** the synthesis of ***PR*** -1 pathogenesis-related ***protein*** in corn and to increase tobacco resistance to tobacco mosaic virus. Expression of the MSAS gene of *Penicillium griseofulvum* in corn and tobacco resulted in a qualitative improvement in disease resistance.

L8 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AB The invention concerns plants with improved resistance to certain stilbene-sensitive pathogenic agents, and more particularly a set of constructs combining a plant promoter ***inducible*** by biotic stress, generated in particular by said pathogens, and gene(s) coding for a stilbene synthase. Thus, grapes expressing a *vst1* gene (encoding stilbene synthase) from an alfalfa pathogenesis-related ***protein*** ***PR*** -7 gene promoter were created. Infection with *Botrytis cinerea* stimulated a 50-fold increase in resveratrol phytoalexin levels.

L8 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AB The invention concerns a promoter of a gene for a ***PR*** ***protein*** of alfalfa, expression vectors comprising said promoter

and a gene of interest, and cells and/or plants transformed by said vectors. The invention also concerns methods for obtaining said cells and plants, said transformed plants having improved resistance to pathogens. Thus, the promoter of ***Medicago*** sativa ***PR*** -7 ***protein*** gene was cloned. Pseudomonas syringae and a fungus ***induced*** expression of constructs contg. this promoter in

Nicotiana

benthamiana, M. truncatula and Lotus corniculatus.

L8 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS

AB A method of protecting plants from virus infection comprises producing transgenic plants which contain a gene encoding a protective factor such as a virus-specific protease inhibitor, a polymerase inhibitor, an antiviral antibody, etc. The expression of the gene is ***induced*** at the beginning of the virus infection, e.g. by the infecting virus itself. A plasmid contg. cauliflower mosaic virus DNA contg. the 35S enhancer-promoter region, the leader sequence and ORF VII, several codons of ORF I, and the polyadenylation sequence, which sequence was fused to the bacterial chloramphenicol acetyltransferase (CAT) gene was constructed. This plasmid was transferred to Agrobacterium tumefaciens by the triparental mating method, and the transformants were used to produce transgenic Brassica napus plants. The CAT activity of wild-type and transgenic plant was detd. after infection with cauliflower mosaic virus. The transgenic plants had a 50-fold higher activity of CAT.

=> d 18 5 7 8 14

L8 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS

AN 2000:666893 CAPLUS

DN 133:249931

TI Use of polyketide synthase genes to increase disease resistance in plants

IN Yalpani, Nasser

PA Pioneer Hi-Bred International, Inc., USA

SO PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000055340	A1	20000921	WO 2000-US4691	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRAI US 1999-124374P P 19990315

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2002 ACS

AN 1999:529273 CAPLUS

DN 131:154493
 TI Chimeric stress- ***inducible*** promoter-stilbene synthase gene and transgenic plants resistant to pathogens
 IN Coutos-Thevenot, Pierre; Hain, Rudiger; Schreier, Peter-helmut; Boulay, Michel
 PA Champagne Moet & Chandon, Fr.; Bayer A.-G.
 SO PCT Int. Appl., 92 pp.
 CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9941392	A1	19990819	WO 1999-FR316	19990212
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2775001	A1	19990820	FR 1998-1742	19980213
	FR 2775001	B1	20000512		
	CA 2320401	AA	19990819	CA 1999-2320401	19990212
	AU 9924292	A1	19990830	AU 1999-24292	19990212
	BR 9907856	A	20001024	BR 1999-7856	19990212
	EP 1053337	A1	20001122	EP 1999-903742	19990212
	R:				
	BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT				
	JP 2002503475	T2	20020205	JP 2000-531573	19990212
PRAI	FR 1998-1742	A	19980213		
	WO 1999-FR316	W	19990212		

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS

AN 1999:529272 CAPLUS

DN 131:154492

TI Stress- ***inducible*** plant promoter and pathogen-resistant transgenic plants

IN Esnault, Robert; Buffard, Dominique; Breda, Colette; Coutos-Thevenot, Pierre; Boulay, Michel

PA Champagne Moet & Chandon, Fr.

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9941391	A1	19990819	WO 1999-FR315	19990212
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,				

TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

FR 2775000	A1	19990820	FR 1998-1741	19980213
FR 2775000	B1	20020208		
CA 2320420	AA	19990819	CA 1999-2320420	19990212
AU 9924291	A1	19990830	AU 1999-24291	19990212
BR 9907853	A	20001024	BR 1999-7853	19990212
EP 1053336	A1	20001122	EP 1999-903741	19990212
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT				
JP 2002508938	T2	20020326	JP 2000-531572	19990212
PRAI FR 1998-1741	A	19980213		
WO 1999-FR315	W	19990212		

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:2029 CAPLUS
 DN 112:2029
 TI ***Inducible*** virus resistance in plants
 IN Hohn, Thomas; Bonneville, Jean Marc; Fuetterer, Johannes; Gordon, Karl;
 Sanfacon, Helene
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 24 pp.
 CODEN: EPXXDW
 DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 298918	A2	19890111	EP 1988-810452	19880701
	EP 298918	A3	19901219		
	EP 298918	B1	20010905		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 205253	E	20010915	AT 1988-810452	19880701
	DD 294501	A5	19911002	DD 1988-317674	19880707
	DK 8803828	A	19890111	DK 1988-3828	19880708
	AU 8818848	A1	19890112	AU 1988-18848	19880708
	AU 620039	B2	19920213		
	HU 47321	A2	19890228	HU 1988-3615	19880708
	HU 207534	B	19930428		
	ZA 8804917	A	19890329	ZA 1988-4917	19880708
	JP 01037294	A2	19890207	JP 1988-172516	19880711
PRAI	CH 1987-2645	A	19870710		

=> FIL STNGUIDE		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	39.28	134.02
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.48	-3.72

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LAST RELOADED: Jun 14, 2002 (20020614/UP).

=> file agricola biosis caplus embase

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.96	134.98

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.72

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=> s pr(w)protein(w)protein
L9 0 PR(W) PROTEIN(W) PROTEIN

=> s pr(w)protein(w)promoter
L10 1 PR(W) PROTEIN(W) PROMOTER

=> d l10 1

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 2001:888695 CAPLUS

DN 136:145943

TI The promoter of a basic PR1-like gene, AtPRB1, from Arabidopsis
establishes an organ-specific expression pattern and responsiveness to
ethylene and methyl jasmonate

AU Santamaria, Marjorie; Thomson, Catherine J.; Read, Nick D.; Loake, Gary J.

CS Institute of Cell & Molecular Biology, University of Edinburgh, Edinburgh,
EH9 3JH, UK

SO Plant Molecular Biology (2001), 47(5), 641-652

CODEN: PMBIDB; ISSN: 0167-4412

PB Kluwer Academic Publishers

DT Journal

LA English

RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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	ENTRY	SESSION
FULL ESTIMATED COST	13.34	148.32

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.72

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LAST RELOADED: Jun 14, 2002 (20020614/UP).

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=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.24	148.56

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
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NEWS	3	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS	4	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update

frequency

NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02

NEWS 6 Mar 08 Gene Names now available in BIOSIS

NEWS 7 Mar 22 TOXLIT no longer available

NEWS 8 Mar 22 TRCTHERMO no longer available

NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS
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NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY

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NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS

NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER

NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available

NEWS 19 Jun 03 New e-mail delivery for search results now available

NEWS 20 Jun 10 MEDLINE Reload

NEWS 21 Jun 10 PCTFULL has been reloaded

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002

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=> file agricola biosis caplus embase

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FULL ESTIMATED COST	0.21	0.21

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=> s pr(w)promoter and grapevine
L1 0 PR(W) PROMOTER AND GRAPEVINE

=> s pr(w)promoter
L2 492 PR(W) PROMOTER

=> s pr(w)10(W)promoter
L3 3 PR(W) 10(W) PROMOTER

=> d l3 1-3

L3 ANSWER 1 OF 3 AGRICOLA

AN 2001:73347 AGRICOLA

DN IND23227661

TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in
transgenic plants expressing the stilbene synthase Vst1 gene under the
control of a pathogen-inducible ***PR*** ***10*** ***promoter***

AU Coutos-Thevenot, P.; Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.;
Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.

SO Journal of experimental botany, May 2001. Vol. 52, No. 358. p. 901-910
Publisher: Oxford : Oxford University Press.
CODEN: JEBOA6; ISSN: 0022-0957

NTE Includes references

CY England; United Kingdom

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L3 ANSWER 2 OF 3 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 2001:371889 BIOSIS

DN PREV200100371889

TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in
transgenic plants expressing the stilbene synthase Vst1 gene under the
control of a pathogen-inducible ***PR*** ***10*** ***promoter***

AU Coutos-Thevenot, P. (1); Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.;
Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.

CS (1) Laboratoire de Physiologie et Biochimie Vegetales, ESA CNRS 6161,
Universite de Poitiers, UFR Sciences, 40 avenue du Recteur Pineau, 86022,
Poitiers Cedex France

SO Journal of Experimental Botany, (May, 2001) Vol. 52, No. 358, pp. 901-910.
print.
ISSN: 0022-0957.

DT Article

LA English

SL English

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

AN 2001:503075 CAPLUS

DN 135:224178

TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in
transgenic plants expressing the stilbene synthase Vst1 gene under the
control of a pathogen-inducible ***PR*** ***10*** ***promoter***

AU Coutos-Thevenot, P.; Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.;
Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.

CS LVMH-Recherche: Moet et Chandon, Epernay, 51333, Fr.

SO Journal of Experimental Botany (2001), 52(358), 901-910
CODEN: JEBOA6; ISSN: 0022-0957

PB Oxford University Press

DT Journal

LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s pr(w)promoter
L4 492 PR(W) PROMOTER

=> s l4 and vitis
L5 0 L4 AND VITIS

=> s l4 and grape
L6 0 L4 AND GRAPE

=> s pr and grape
L7 155 PR AND GRAPE

=> s l7 and inducible
L8 7 L7 AND INDUCIBLE

=> d l8 1-7

L8 ANSWER 1 OF 7 AGRICOLA
AN 2001:73347 AGRICOLA
DN IND23227661

TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in
transgenic plants expressing the stilbene synthase Vst1 gene under the
control of a pathogen- ***inducible*** ***PR*** 10 promoter.

AU Coutos-Thevenot, P.; Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.;
Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.

SO Journal of experimental botany, May 2001. Vol. 52, No. 358. p. 901-910
Publisher: Oxford : Oxford University Press.
CODEN: JEBOA6; ISSN: 0022-0957

NTE Includes references
CY England; United Kingdom
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L8 ANSWER 2 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2002:317983 BIOSIS
DN PREV200200317983

TI Phytoalexins from the vitaceae: Biosynthesis, phytoalexin gene expression
in transgenic plants, antifungal activity, and metabolism.

AU Jeandet, Philippe (1); Douillet-Breuil, Anne-Celine; Bessis, Roger;
Debord, Sylvain; Sbaghi, Mohamed; Adrian, Marielle

CS (1) Laboratoire d'Oenologie, URVVC, UPRES EA 2069, Faculte des Sciences,

Universite de Reims, 51687, Reims Cedex, 02: philippe.jeandet@univ-reims.fr France
 SO Journal of Agricultural and Food Chemistry, (May 8, 2002) Vol. 50, No. 10, pp. 2731-2741. <http://pubs.acs.org/journals/jafcau>. print.
 ISSN: 0021-8561.
 DT General Review
 LA English

L8 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:371889 BIOSIS
 DN PREV200100371889
 TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in transgenic plants expressing the stilbene synthase Vst1 gene under the control of a pathogen- ***inducible*** ***PR*** 10 promoter.
 AU Coutos-Thevenot, P. (1); Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.; Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.
 CS (1) Laboratoire de Physiologie et Biochimie Vegetales, ESA CNRS 6161, Universite de Poitiers, UFR Sciences, 40 avenue du Recteur Pineau, 86022, Poitiers Cedex France
 SO Journal of Experimental Botany, (May, 2001) Vol. 52, No. 358, pp. 901-910. print.
 ISSN: 0022-0957.
 DT Article
 LA English
 SL English

L8 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:503075 CAPLUS
 DN 135:224178
 TI In vitro tolerance to Botrytis cinerea of grapevine 41B rootstock in transgenic plants expressing the stilbene synthase Vst1 gene under the control of a pathogen- ***inducible*** ***PR*** 10 promoter
 AU Coutos-Thevenot, P.; Poinssot, B.; Bonomelli, A.; Yean, H.; Breda, C.; Buffard, D.; Esnault, R.; Hain, R.; Boulay, M.
 CS LVMH-Recherche: Moet et Chandon, Epernay, 51333, Fr.
 SO Journal of Experimental Botany (2001), 52(358), 901-910
 CODEN: JEBOA6; ISSN: 0022-0957
 PB Oxford University Press
 DT Journal
 LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 1999:529273 CAPLUS
 DN 131:154493
 TI Chimeric stress- ***inducible*** promoter-stilbene synthase gene and transgenic plants resistant to pathogens
 IN Coutos-Thevenot, Pierre; Hain, Rudiger; Schreier, Peter-helmut; Boulay, Michel
 PA Champagne Moet & Chandon, Fr.; Bayer A.-G.
 SO PCT Int. Appl., 92 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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 PI WO 9941392 A1 19990819 WO 1999-FR316 19990212
 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
 DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
 KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,
 MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
 TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 FR 2775001 A1 19990820 FR 1998-1742 19980213
 FR 2775001 B1 20000512
 CA 2320401 AA 19990819 CA 1999-2320401 19990212
 AU 9924292 A1 19990830 AU 1999-24292 19990212
 BR 9907856 A 20001024 BR 1999-7856 19990212
 EP 1053337 A1 20001122 EP 1999-903742 19990212
 R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT
 JP 2002503475 T2 20020205 JP 2000-531573 19990212
 PRAI FR 1998-1742 A 19980213
 WO 1999-FR316 W 19990212
 RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2002 ACS

AN 1999:529272 CAPLUS

DN 131:154492

TI Stress- ***inducible*** plant promoter and pathogen-resistant
transgenic plants

IN Esnault, Robert; Buffard, Dominique; Breda, Colette; Coutos-Thevenot,
Pierre; Boulay, Michel

PA Champagne Moet & Chandon, Fr.

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9941391	A1	19990819	WO 1999-FR315	19990212
	W:		AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:		GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	FR 2775000	A1	19990820	FR 1998-1741	19980213
	FR 2775000	B1	20020208		
	CA 2320420	AA	19990819	CA 1999-2320420	19990212
	AU 9924291	A1	19990830	AU 1999-24291	19990212
	BR 9907853	A	20001024	BR 1999-7853	19990212
	EP 1053336	A1	20001122	EP 1999-903741	19990212
	R:		BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT		
	JP 2002508938	T2	20020326	JP 2000-531572	19990212

PRAI FR 1998-1741 A 19980213
 WO 1999-FR315 W 19990212
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2002 ACS
AN 1996:380873 CAPLUS
DN 125:53799
TI Pathogenesis-related proteins in grapevines induced by salicylic acid and
 Botrytis cinerea
AU Renault, Anne-Sophie; Deloire, A.; Bierne, J.
CS UFR Sciences, Univ. Reims Champagne-Ardenne, Reims, F-51687, Fr.
SO Vitis (1996), 35(1), 49-52
 CODEN: VITIAY; ISSN: 0042-7500
DT Journal
LA English

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=> file agricola biosis embase caplus

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=> s lucerne(W)PR(W)protein
L1 0 LUCERNE(W) PR(W) PROTEIN

=> s lucerne(W)PR(W)10
L2 0 LUCERNE(W) PR(W) 10

=> s medicago(W)PR(W)10
L3 0 MEDICAGO(W) PR(W) 10

=> s medicago(W)PR(W)pathogen
L4 0 MEDICAGO(W) PR(W) PATHOGEN

=> s medicago and pathogen and pr(w)10
L5 0 MEDICAGO AND PATHOGEN AND PR(W) 10

=> s medicago(w)pr(w)10(w)protein
L6 0 MEDICAGO(W) PR(W) 10(W) PROTEIN

=> s alfalfa and pathogen(w)resistance(w)promoter
L7 0 ALFALFA AND PATHOGEN(W) RESISTANCE(W) PROMOTER

=> lucerne and promoter
LUCERNE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s lucerne and promoter
L8 14 LUCERNE AND PROMOTER

=> d l8 1-14

L8 ANSWER 1 OF 14 AGRICOLA

AN 87:91458 AGRICOLA

DN IND87057627

TI Growth responses of Glomus caledonium in the presence of suspension
cultured ***lucerne*** cells.

AU Carr, G.R.; Hinkley, M.A.; Le Tacon, F.; Hepper, C.M.; Jones, M.G.K.;
Thomas, E.

AV DNAL (QK604.E9 1985)

SO [Physiological and genetical aspects of mycorrhizae = Aspects
physiologiques et genetiques des mycorrhizes : proceedings of the 1st
European Symposium on Mycorrhizae, Dijon, 1-5 July 1985], p. 521-525 ill
Publisher: Paris : Institut national de le recherche agronomique, c1986.
ISBN: 2853407748.

NTE Includes references.

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L8 ANSWER 2 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1992:405811 BIOSIS
 DN BA94:69011
 TI EFFECT OF AVOPARCIN ON THE YIELD AND COMPOSITION OF MILK AND ON BLOAT IN PASTURE-FED DAIRY COWS.
 AU CARRUTHERS V R; HOLMES C W; MACDONALD K A; NORTON D H; ALEXANDER A; DODEMAIDE W R
 CS DAIRYING RES. CORPORATION, RUAKURA AGRIC. CENTRE, HAMILTON, N.Z.
 SO N Z J AGRIC RES, (1992) 35 (2), 171-175.
 CODEN: NEZFA7. ISSN: 0028-8233.
 FS BA; OLD
 LA English

L8 ANSWER 3 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1992:43908 BIOSIS
 DN BA93:23883
 TI EXPRESSION OF A CHICKEN OVALBUMIN GENE IN THREE ***LUCERNE*** CULTIVARS.
 AU SCHROEDER H E; KHAN M R I; KNIBB W R; SPENCER D; HIGGINS T J
 CS DIV. PLANT INDUSTRY, CSIRO, GPO BOX 1600, CANBERRA, ACT 2601, AUST.
 SO AUST J PLANT PHYSIOL, (1991) 18 (5), 495-506.
 CODEN: AJPPCH. ISSN: 0310-7841.
 FS BA; OLD
 LA English

L8 ANSWER 4 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1991:199837 BIOSIS
 DN BA91:103062
 TI STUDIES OF WOOL GROWTH RESPONSES TO 2 HYDROXY-4-METHYLTHIOBUTANOIC ACID ALIMET AN ANALOGUE OF METHIONINE.
 AU STEPHENSON R G A; SUTER G R; PRITCHARD D A; MARTIN M D J
 CS ANIM. RES. INST., QUEENSLAND DEP. PRIMARY IND., 665 FAIRFIELD RD., YEERONGPILLY, QLD 4105, AUSTRALIA.
 SO AUST J EXP AGRIC, (1990) 30 (4), 477-482.
 CODEN: AJEAEI. ISSN: 0816-1089.
 FS BA; OLD
 LA English

L8 ANSWER 5 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1991:66225 BIOSIS
 DN BA91:34885
 TI THE INFLUENCE OF PROTEIN QUALITY ON THE EFFECT OF FLAVOMYCIN ON WOOL GROWTH LIVEWEIGHT CHANGE AND RUMEN FERMENTATION IN SHEEP.
 AU MURRAY P J; ROWE J B; AITCHISON E M
 CS SHEEP WOOL BRANCH, DIV. ANIM. PRODUCTION, DEP. AGRIC., BARON-HAY COURT, SOUTH PERTH, WEST AUST. 6151.
 SO AUST J AGRIC RES, (1990) 41 (5), 987-994.
 CODEN: AJAEA9. ISSN: 0004-9409.
 FS BA; OLD
 LA English

L8 ANSWER 6 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1981:32698 BIOSIS
 DN BR20:32698
 TI COMPARISON OF COMBINED AND SINGLE IMPLANTS OF GROWTH ***PROMOTERS*** IN STEERS.
 AU HEITZMAN J; LITTLE W; HARRISON L P; GIBBONS D N

CS ARC INST. RES. ANIM. DIS., COMPTON, NEWBURY, BERKS. RG16 ONN.
 SO MEETING OF THE BRITISH SOCIETY OF ANIMAL PRODUCTION, HARROGATE, ENGLAND,
 NOV. 11-14, 1979. ANIM PROD. (1980) 30 (3), 493.
 CODEN: ANIPA8. ISSN: 0003-3561.
 DT Conference
 FS BR; OLD
 LA English

L8 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:347994 CAPLUS
 DN 136:320797
 TI Method of presowing treatment of licorice (*Glycyrrhiza glabra*) seeds with
 hydrochloric acid and legume seed decoction
 IN Kruzhilin, I. P.; Galda, A. V.; Saldaev, A. M.
 PA Vserossiyskii Nauchno-Issledovatel'skii Institut Oroshaemogo Zemledeliya,
 Russia
 SO Russ., No pp. given
 CODEN: RUXXE7
 DT Patent
 LA Russian
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	RU 2164733	C1	20010410	RU 1999-122047	19991020

L8 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:137388 CAPLUS
 DN 134:189018
 TI Unpolyadenylated RNA-mediated post-transcriptional gene silencing using
 self-splicing ribozyme
 IN Wang, Ming-Bo; Waterhouse, Peter
 PA Commonwealth Scientific and Industrial Research Organisation, Australia
 SO PCT Int. Appl., 66 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2001012824	A1	20010222	WO 2000-IB1133	20000814
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	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,				
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1208211	A1	20020529	EP 2000-953352	20000814
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRAI	US 1999-373720	A	19990813		
	WO 2000-IB1133	W	20000814		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS

AN 1998:424337 CAPLUS

DN 129:77580

TI Cloning and expression of mammalian recombinant type I collagen and
derived proteins in transgenic and transformed plants and industrial uses
IN Gruber, Veronique; Exposito, Jean-Yves; Ruggiero, Florence; Comte, Jeanne;
Garrone, Robert; Merot, Bertrand; Bournat, Philippe

PA Biocem S.A., Fr.; Gruber, Veronique; Exposito, Jean-Yves; Ruggiero,
Florence; Comte, Jeanne; Garrone, Robert; Merot, Bertrand; Bournat,
Philippe

SO PCT Int. Appl., 140 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9827202	A1	19980625	WO 1997-FR2331	19971217
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	FR 2757874	A1	19980703	FR 1996-16224	19961217
	AU 9855637	A1	19980715	AU 1998-55637	19971217
	EP 951537	A1	19991027	EP 1997-952089	19971217
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	JP 2001507573	T2	20010612	JP 1998-527408	19971217
PRAI	FR 1996-16224	A	19961217		
	WO 1997-FR2331	W	19971217		

L8 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS

AN 1997:499256 CAPLUS

DN 127:187510

TI Methods and compositions for inhibiting hexokinase in mammalian cells and
their use for treating diabetes

IN Newgard, Christopher B.; Han, He-ping; Thigpen, Anice E.; Normington, Karl
D.

PA Board of Regents, University of Texas System, USA; Betagene, Inc.;
Newgard, Christopher B.; Han, He-Ping; Thigpen, Anice E.; Normington, Karl
D.

SO PCT Int. Appl., 265 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9726357	A1	19970724	WO 1997-US787	19970117
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN,			

AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,
 MR, NE, SN, TD, TG
 US 5854067 A 19981229 US 1996-588983 19960119
 AU 9718315 A1 19970811 AU 1997-18315 19970117
 AU 714852 B2 20000113
 EP 877810 A1 19981118 EP 1997-903845 19970117
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 PRAI US 1996-588983 19960119
 WO 1997-US787 19970117

L8 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1992:486840 CAPLUS
 DN 117:86840
 TI Vicilin with carboxy-terminal KDEL is retained in the endoplasmic
 reticulum and accumulates to high levels in the leaves of transgenic
 plants
 AU Wandelt, Christine I.; Khan, M. Rafiqul I.; Craig, Stuart; Schroeder,
 Harmut E.; Spencer, Donald; Higgins, Thomas J. V.
 CS Div. Plant Ind., CSIRO, Canberra, 2601, Australia
 SO Plant J. (1992), 2(2), 181-92
 CODEN: PLJUED
 DT Journal
 LA English

L8 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1992:145032 CAPLUS
 DN 116:145032
 TI Expression of a chicken ovalbumin gene in three ***lucerne***
 cultivars
 AU Schroeder, Hartmut E.; Khan, M. Rafiqul I.; Knibb, Wayne R.; Spencer,
 Donald; Higgins, Thomas J. V.
 CS Div. Plant Ind., CSIRO, Canberra, 2601, Australia
 SO Aust. J. Plant Physiol. (1991), 18(5), 495-505
 CODEN: AJPPCH; ISSN: 0310-7841
 DT Journal
 LA English

L8 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:589292 CAPLUS
 DN 109:189292
 TI Use of glycolipid antibiotics, especially flavomycin, as ovine growth
 promoter
 IN Rowe, James Baber; Aitchison, Elizabeth Mary
 PA State of Western Australia, Australia
 SO S. African, 24 pp.
 CODEN: SFXAB
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ZA 8703921	A	19880224	ZA 1987-3921	19870602
	AU 8773757	A1	19871203	AU 1987-73757	19860530
	AU 592190	B2	19900104		

PRAI AU 1986-6224

19860530

L8 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS

AN 1967:481402 CAPLUS

DN 67:81402

TI Nonhormone plant-growth ***promoters***

PA Midwest Research Institute

SO Neth. Appl., 11 pp.

CODEN: NAXXAN

DT Patent

LA Dutch

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	NL 6510662		19670214	NL	19650813

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frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02

NEWS 6 Mar 08 Gene Names now available in BIOSIS
 NEWS 7 Mar 22 TOXLIT no longer available
 NEWS 8 Mar 22 TRCTHERMO no longer available
 NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS
 and USPATFULL
 NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
 NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
 NEWS 12 Apr 08 "Ask CAS" for self-help around the clock
 NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
 NEWS 14 Apr 09 ZDB will be removed from STN
 NEWS 15 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
 NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
 NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
 NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
 NEWS 19 Jun 03 New e-mail delivery for search results now available
 NEWS 20 Jun 10 MEDLINE Reload
 NEWS 21 Jun 10 PCTFULL has been reloaded

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 CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
 AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002

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	ENTRY	SESSION
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L1 0 MEDICAGO AND PR10 AND PROMOTER

=> s lucerne and pr10 and promoter

L2 0 LUCERNE AND PR10 AND PROMOTER

=> s lucerne and pr and promoter

L3 0 LUCERNE AND PR AND PROMOTER

=> s lucerne and inducible and promoter

L4 0 LUCERNE AND INDUCIBLE AND PROMOTER

=> s medicago and inducible and promoter

L5 61 MEDICAGO AND INDUCIBLE AND PROMOTER

=> s l5 and pathogenic(w) response

L6 0 L5 AND PATHOGENIC(W) RESPONSE

=> s l5 and pathogen?

L7 13 L5 AND PATHOGEN?

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KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L7

L8 13 DUPLICATE REMOVE L7 (0 DUPLICATES REMOVED)

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L8 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2001:152848 CAPLUS

DN 134:218920

TI Brassica wounding- and ***pathogen*** - ***inducible*** proline-rich
extensin-like receptor kinase PERK1 gene and transgenic plants expressing
it

IN Goring, Daphne; Silva, Nancy

PA Can.

SO PCT Int. Appl., 91 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001014563	A1	20010301	WO 2000-CA966	20000818

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,

CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRAI US 1999-149466P P 19990819
US 1999-159122P P 19991013
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2002 ACS
AN 2001:137365 CAPLUS
DN 134:189004
TI Defense-related signaling genes and proteins from sunflower and their use
in improving plant resistance to ***pathogens***
IN Bidney, Dennis L.; Crasta, Oswald R.; Hu, Xu; Lu, Guihua
PA Pioneer Hi-Bred International, Inc., USA; Curagen Corporation
SO PCT Int. Appl., 135 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001012801	A2	20010222	WO 2000-US22961	20000817
	WO 2001012801	A3	20010830		
	W:	AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 1999-149656P	P	19990818		
	US 2000-206405P	P	20000523		

L8 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2002 ACS
AN 2001:222039 CAPLUS
DN 134:232684
TI Disease resistant transgenic plants comprising a tomato aspermy virus 2b gene
IN Ding, Shou-wei
PA Singapore
SO U.S., 10 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6207882	B1	20010327	US 1998-153241	19980915
RE.CNT	9	THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L8 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2002 ACS
AN 2000:772742 CAPLUS
DN 133:330554
TI Protein and cDNA sequences of corn NPR1 gene and uses thereof in plant

disease control
 IN Crane, Edmund H., III; Rice, Douglas A.; Simmons, Carl R.; Tossberg, John
 T.; Sandahl, Gary A.; Zhang, Lingyu
 PA Pioneer Hi-Bred International, Inc., USA
 SO PCT Int. Appl., 86 pp.
 CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000065037	A2	20001102	WO 2000-US10479	20000419
	WO 2000065037	A3	20010726		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1173575	A2	20020123	EP 2000-928204	20000419
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	BR 2000009980	A	20020409	BR 2000-9980	20000419
PRAI	US 1999-130692P	P	19990423		
	WO 2000-US10479	W	20000419		

L8 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2000:191235 CAPLUS

DN 132:247736

TI sequence of Maize replication protein a large and middle subunits with applications for modulation of cell cycle in both dicots and monocots

IN Mahajan, Pramod

PA Pioneer Hi-Bred International, Inc., USA

SO PCT Int. Appl., 102 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000015816	A2	20000323	WO 1999-US21277	19990915
	WO 2000015816	A3	20000525		
	W:	AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9960424	A1	20000403	AU 1999-60424	19990915
	EP 1114170	A2	20010711	EP 1999-969117	19990915
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			

IE, SI, LT, LV, FI, RO
 PRAI US 1998-100690P P 19980917
 US 1999-123896P P 19990311
 WO 1999-US21277 W 19990915

L8 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 2000:175956 CAPLUS

DN 132:219730

TI Methods for controlling viral diseases in plants involving expression of aptamers for modulation of transcription

IN Gabriel, Dean W.; Duan, Yong Ping

PA University of Florida, USA

SO PCT Int. Appl., 139 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000014260	A1	20000316	WO 1999-US20455	19990903
	W:				
	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9961374	A1	20000327	AU 1999-61374	19990903
PRAI	US 1998-99033P	P	19980903		
	WO 1999-US20455	W	19990903		

L8 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2002 ACS

AN 1999:736956 CAPLUS

DN 131:347502

TI Disease resistant transgenic plants transformed with cucumovirus 2b gene sequence

IN Ding, Shou-Wei

PA Institute of Molecular Agrobiolology, Singapore

SO PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9958696	A1	19991118	WO 1998-SG35	19980512
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9875621	A1	19991129	AU 1998-75621	19980512

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2002 ACS
AN 1999:529272 CAPLUS
DN 131:154492
TI Stress- ***inducible*** plant ***promoter*** and ***pathogen***
 -resistant transgenic plants
IN Esnault, Robert; Buffard, Dominique; Breda, Colette; Coutos-Thevenot,
 Pierre; Boulay, Michel
PA Champagne Moet & Chandon, Fr.
SO PCT Int. Appl., 55 pp.
 CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9941391	A1	19990819	WO 1999-FR315	19990212
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	FR 2775000	A1	19990820	FR 1998-1741	19980213
	FR 2775000	B1	20020208		
	CA 2320420	AA	19990819	CA 1999-2320420	19990212
	AU 9924291	A1	19990830	AU 1999-24291	19990212
	BR 9907853	A	20001024	BR 1999-7853	19990212
	EP 1053336	A1	20001122	EP 1999-903741	19990212
	R:	BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT			
	JP 2002508938	T2	20020326	JP 2000-531572	19990212
PRAI	FR 1998-1741	A	19980213		
	WO 1999-FR315	W	19990212		

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2002 ACS
AN 1997:804887 CAPLUS
DN 128:113024
TI Induction of microbial genes for ***pathogenesis*** and symbiosis by
 chemicals from root border cells
AU Zhu, Yanmin; Pierson, Leland S., III; Hawes, Martha C.
CS Departments of Plant Pathology and Molecular and Cellular Biology,
 University of Arizona, Tucson, AZ, 85721, USA
SO Plant Physiology (1997), 115(4), 1691-1698
 CODEN: PLPHAY; ISSN: 0032-0889
PB American Society of Plant Physiologists
DT Journal
LA English

L8 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2002 ACS
AN 1997:26252 CAPLUS

DN 126:45035
 TI Flax rust- ***inducible*** ***promoter*** of the Fis1 gene of Linum
 usitatissimum and its uses
 IN Pryor, Anthony J.; Roberts, James K.
 PA Commonwealth Scientific and Industrial Research Organisation, Australia;
 Australian National University; Pryor, Anthony J.; Roberts, James K.
 SO PCT Int. Appl., 76 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9634949	A1	19961107	WO 1996-AU264	19960503
	W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI			
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN			
	CA 2220333	AA	19961107	CA 1996-2220333	19960503
	AU 9654910	A1	19961121	AU 1996-54910	19960503
	AU 706861	B2	19990624		
	EP 828826	A1	19980318	EP 1996-911849	19960503
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	CN 1187850	A	19980715	CN 1996-194700	19960503
	JP 11507206	T2	19990629	JP 1996-532864	19960503
	US 6329572	B1	20011211	US 1998-952061	19980218
	AU 9950137	A1	19991125	AU 1999-50137	19990924
	AU 743540	B2	20020131		
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	WO 1996-AU264	W	19960503		

L8 ANSWER 12 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1996:538005 BIOSIS
 DN PREV199699260361

TI Constitutive expression of an ***inducible*** beta-1,3-glucanase in alfalfa reduces disease severity caused by the oomycete ***pathogen*** Phytophthora megasperma f. sp. medicaginis, but does not reduce disease severity of chitin-containing fungi.

AU Masoud, Sameer A.; Zhu, Qun; Lamb, Chris; Dixon, Richard A. (1)
 CS (1) Plant Biol. Div., Samuel Roberts Noble Foundation, PO Box 2180, Ardmore, OK 73402 USA

SO Transgenic Research, (1996) Vol. 5, No. 5, pp. 313-323.
 ISSN: 0962-8819.

DT Article
 LA English

L8 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:2029 CAPLUS
 DN 112:2029

TI ***Inducible*** virus resistance in plants

IN Hohn, Thomas; Bonneville, Jean Marc; Fuetterer, Johannes; Gordon, Karl; Sanfacon, Helene

PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 24 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 298918	A2	19890111	EP 1988-810452	19880701
	EP 298918	A3	19901219		
	EP 298918	B1	20010905		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 205253	E	20010915	AT 1988-810452	19880701
	DD 294501	A5	19911002	DD 1988-317674	19880707
	DK 8803828	A	19890111	DK 1988-3828	19880708
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	JP 01037294	A2	19890207	JP 1988-172516	19880711
PRAI	CH 1987-2645	A	19870710		

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=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	54.11	54.32

STN INTERNATIONAL LOGOFF AT 12:47:29 ON 18 JUN 2002